

| Test case plan | | | | | | |
|----------------|---------------------------------|---|--|--|-------------------|---|
| ID# | Functionality | Scenario | Steps to be Executed | Actual Result | Pass/Fail Nexus 7 | Comments |
| 1 | Startup | App loads | After tapping on app icon app, login screen loads within 2 seconds. | App opens successfully and displays Login Screen | Pass | |
| 2 | About Module | Opens an information module for the app | After tapping on "Medisign" in the header, an information panel displays within 2 seconds. | About module displays successfully | Pass | |
| 3 | Contact Us button on an Apple | Opens an email draft to apriyadarshan@wpi.edu | After tapping on the words "Contact Us", the app sends you to the user's mail app and a draft pops up within 2 seconds. | Page opens successfully | Pass | Check for android/what would happens without a mail app |
| 4 | Contact Us button on an Android | Opens an email draft to apriyadarshan@wpi.edu | After tapping on the words "Contact Us", the app sends you to the user's gmail app and a draft pops up within 2 seconds. | Page opens successfully | Pass | |
| 5 | Question Button | Takes user to Question screen | After tapping on the "Questions" Button in the home page, the Questions page opens within 2 seconds. | Page opens successfully | Pass | |

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| 6 | Questions Display | The list of questions load in from firebase | After tapping on the "Questions" Button on the home page, the the list of questions load within 2 seconds. | The list of questions load successfully | Pass | Takes slightly longer to load (less than 2 seconds) |
| 7 | Symptoms Button | Takes user to Symptoms screen | After tapping on the "Symptoms" Button in the home page, the Symptoms page opens within 2 seconds. | Page opens successfully | Pass | |
| 8 | Symptoms Display | The list of symptoms load in from firebase | After tapping on the "Symptoms" Button in the home page, the list of symptoms load within 2 seconds. | The list of symptoms load successfully | Pass | Takes slightly longer to load (less than 2 seconds) |
| 9 | Responses Button | Takes user to Responses screen | After tapping on the "Responses" Button in the home page, the Responses page opens within 2 seconds. | Page opens successfully | Pass | |
| 10 | Responses Display | The list of questions load in from firebase | After tapping on the "Responses" Button on the home page, the the list of responses load within 2 seconds. | The list of responses load successfully | Pass | Takes slightly longer to load (less than 2 seconds) |
| 11 | Home button on Questions page | The Home button takes the user to the home page | After tapping on the Home button, home page loads within 2 seconds | The home page opens successfully | Pass | |

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| 12 | Home button on Responses page | The Home button takes the user to the home page | After tapping on the Home button, home page loads within 2 seconds | The home page opens successfully | Pass |
| 13 | Home button on Symptoms page | The Home button takes the user to the home page | After tapping on the Home button, home page loads within 2 seconds | The home page opens successfully | Pass |
| 14 | Contact Us button on Questions Page | Opens an email draft to apriyadarshan@wpi.edu | After tapping on the words "Contact Us", the app sends you to the user's mail app and a draft pops up within 2 seconds. | Mail opens successfully | Pass |
| 15 | Contact Us button on Symptoms Page | Opens an email draft to apriyadarshan@wpi.edu | After tapping on the words "Contact Us", the app sends you to the user's mail app and a draft pops up within 2 seconds. | Mail opens successfully | Pass |
| 16 | Contact Us button on Responses Page | Opens an email draft to apriyadarshan@wpi.edu | After tapping on the words "Contact Us", the app sends you to the user's mail app and a draft pops up within 2 seconds. | Mail opens successfully | Pass |
| 17 | "Are you sexually active?" button in the questions list | "Are you sexually active?" question takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. After tapping on the Back button, the home pages loads within 2 seconds | The screen, video and image all load within the set time. The video plays successfully. Home page opens successfully | Pass |

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| 18 | "Do you have a family history of this?" button in the questions list | "Do you have a family history of this?" question takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. After tapping on the Back button, the home pages loads within 2 seconds | The screen, video and image all load within the set time. The video plays successfully. Home page opens successfully | Pass |
| 19 | "Do you have allergies?" button in the questions list | "Do you have allergies?" question takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. After tapping on the Back button, the home pages loads within 2 seconds | The screen, video and image all load within the set time. The video plays successfully. Home page opens successfully | Pass |
| 20 | "Do you take prescription medications, over-the-counter medications, vitamins, and/or supplements?" button in the questions list | "Do you take prescription medications, over-the-counter medications, vitamins, and/or supplements?" question takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. After tapping on the Back button, the home pages loads within 2 seconds | The screen, video and image all load within the set time. The video plays successfully. Home page opens successfully. | Pass |

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| 21 | "Do you use an kind of tobacco, illicit drugs, or alcohol?" button in the questions list | "Do you use an kind of tobacco, illicit drugs, or alcohol?" question takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. After tapping on the Back button, the home pages loads within 2 seconds | The screen, video and image all load within the set time. The video plays successfully. Home page opens successfully | Pass |
| 22 | "Have you had any procedures or major illnesses in the past 12 months?" button in the questions list | "Have you had any procedures or major illnesses in the past 12 months?" question takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. After tapping on the Back button, the home pages loads within 2 seconds | The screen, video and image all load within the set time. The video plays successfully. Home page opens successfully | Pass |
| 23 | "Have you had your symptoms for long?" button in the questions list | "Have you had your symptoms for long?" question takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. After tapping on the Back button, the home pages loads within 2 seconds | The screen, video and image all load within the set time. The video plays successfully. Home page opens successfully | Pass |

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| 24 | "Have you served in the military?" button in the questions list | "Have you served in the military?" question takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. After tapping on the Back button, the home pages loads within 2 seconds | The screen, video and image all load within the set time. The video plays successfully. Home page opens successfully | Pass |
| 25 | "Have your symptoms gotten worse?" button in the questions list | "Have your symptoms gotten worse?" question takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. After tapping on the Back button, the home pages loads within 2 seconds | The screen, video and image all load within the set time. The video plays successfully. Home page opens successfully | Pass |
| 26 | "What are your symptoms?" button in the questions list | "What are your symptoms?" question takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. After tapping on the Back button, the home pages loads within 2 seconds | The screen, video and image all load within the set time. The video plays successfully. Home page opens successfully | Pass |

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| 27 | "What brings you in today?" button in the questions list | "What brings you in today?" question takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. After tapping on the Back button, the home pages loads within 2 seconds | The screen, video and image all load within the set time. The video plays successfully. Home page opens successfully | Pass |
| 28 | "Where does it hurt?" button in the questions list | "Where does it hurt?" question takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. After tapping on the Back button, the home pages loads within 2 seconds | The screen, video and image all load within the set time. The video plays successfully. Home page opens successfully | Pass |
| 29 | Allergies button in the symptoms list | Allergies symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 30 | Ankle problem button in the symptoms list | Ankle problem symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |

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| 31 | Back problems button in the symptoms list | Back problems symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 32 | Bowel incontinence button in the symptoms list | Bowel incontinence symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 33 | Celiac disease button in the symptoms list | Celiac disease symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 34 | Chest pain button in the symptoms list | Chest pain symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 35 | Chronic pain button in the symptoms list | Chronic pain symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |

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| 36 | COPD (chronic obstructive pulmonary disease) button in the symptoms list | COPD (chronic obstructive pulmonary disease) symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 37 | Calf problems button in the symptoms list | Calf problems symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 38 | Cold sore button in the symptoms list | Cold sore symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 39 | Constipation button in the symptoms list | Constipation symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 40 | Cough button in the symptoms list | Cough symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |

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| 41 | Dehydration button in the symptoms list | Dehydration symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 42 | Dizziness button in the symptoms list | Dizziness symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 43 | Dry mouth button in the symptoms list | Dry mouth symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 44 | Earache button in the symptoms list | Earache symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 45 | Elbow problems button in the symptoms list | Elbow problems symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |

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| 46 | Fever button in the symptoms list | Fever symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 47 | Flu button in the symptoms list | Flu symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 48 | Foot problems button in the symptoms list | Foot problems symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 49 | Frequent Farting button in the symptoms list | Frequent Farting symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 50 | Hayfever button in the symptoms list | Hayfever symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |

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| 51 | Headache button in the symptoms list | Headache symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 52 | Heart Palpitation button in the symptoms list | Heart Palpitation symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 53 | Hip Problems button in the symptoms list | Hip Problems symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 54 | Indigestion button in the symptoms list | Indigestion symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 55 | Itching button in the symptoms list | Itching symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |

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| 56 | Itchy bottom button in the symptoms list | Itchy bottom symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 57 | Knee problems button in the symptoms list | Knee problems symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 58 | Lump in the throat button in the symptoms list | Lump in the throat symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 59 | Migraine button in the symptoms list | Migraine symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 60 | Mouth ulcer button in the symptoms list | Mouth ulcer symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |

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| 61 | Neck problems button in the symptoms list | Neck problems symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 62 | Nosebleed button in the symptoms list | Nosebleed symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 63 | Shortness of breath button in the symptoms list | Shortness of breath symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 64 | Shortness of breath button in the symptoms list | Shortness of breath symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 65 | Shoulder problems button in the symptoms list | Shoulder problems symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |

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| 66 | Skin rashes (children) button in the symptoms list | Skin rashes (children) symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 67 | Sore throat button in the symptoms list | Sore throat symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 68 | Swollen glands button in the symptoms list | Swollen glands symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 69 | Testicular lumps and swellings button in the symptoms list | Testicular lumps and swellings symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 70 | Thigh problems button in the symptoms list | Thigh problems symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |

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| 71 | Tinnitus button in the symptoms list | Tinnitus symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 72 | Toothache button in the symptoms list | Toothache symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 73 | Urinary incontinence button in the symptoms list | Urinary incontinence symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 74 | Urinary incontinence (women) button in the symptoms list | Urinary incontinence (women) symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 75 | Urinary tract infection (UTI) button in the symptoms list | Urinary tract infection (UTI) symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |

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| 76 | Vaginal discharge button in the symptoms list | Vaginal discharge symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 77 | Vomiting (adults) button in the symptoms list | Vomiting (adults) symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 78 | Warts and verrucas button in the symptoms list | Warts and verrucas symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 79 | Wrist, hand, and finger problems button in the symptoms list | Wrist, hand, and finger problems symptom takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 80 | No button in the response list | "No" response takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |

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| 81 | Maybe button in the response list | Maybe response takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 82 | Yes button in the response list | Yes response takes user to Video display screen | After tapping the question, video display screen loads within two seconds. The video and reference image loads within two seconds of the screen loading. | The screen, video and image all load within the set time. The video plays successfully. | Pass |
| 83 | Body Chart button in the response list | Body Chart takes user to display screen | After tapping the question, Body Chart display screen loads within two seconds. The image loads within two seconds of the screen loading. | The screen and image all load within the set time. | Pass |
| 84 | Pain Scale button in the response list | Pain Scale takes user to display screen | After tapping the question, Pain Scale display screen loads within two seconds. The image loads within two seconds of the screen loading. | The screen and image all load within the set time. | Pass |