Variny Project Planner

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App Inspiration & Target Audience

In the MAMS STEM/STW course, students are given many long deadlines that eventually creep up without them realizing it, often causing lots of stress and cramming.

Our app is meant to help in situations like this! It's an automated time management calendar that helps delegate time for a project's duration. This way, students are making steady progress towards their goals while staying productive!

Solution Overview

Upon opening the app, you will be taken to a 10-question quiz whose answers will go towards determining your work style with necessary numerical values. This quiz has been created, but it has yet to be implemented (see future steps).

Afterwards, you will be allowed to add tasks and specify their due date, as well as how much time you think they'll take to finish.

Based on this information, as well as graphical values from your personalized learning curve, time will be delegating in a manner that is designed to fit your work style for peak productivity!
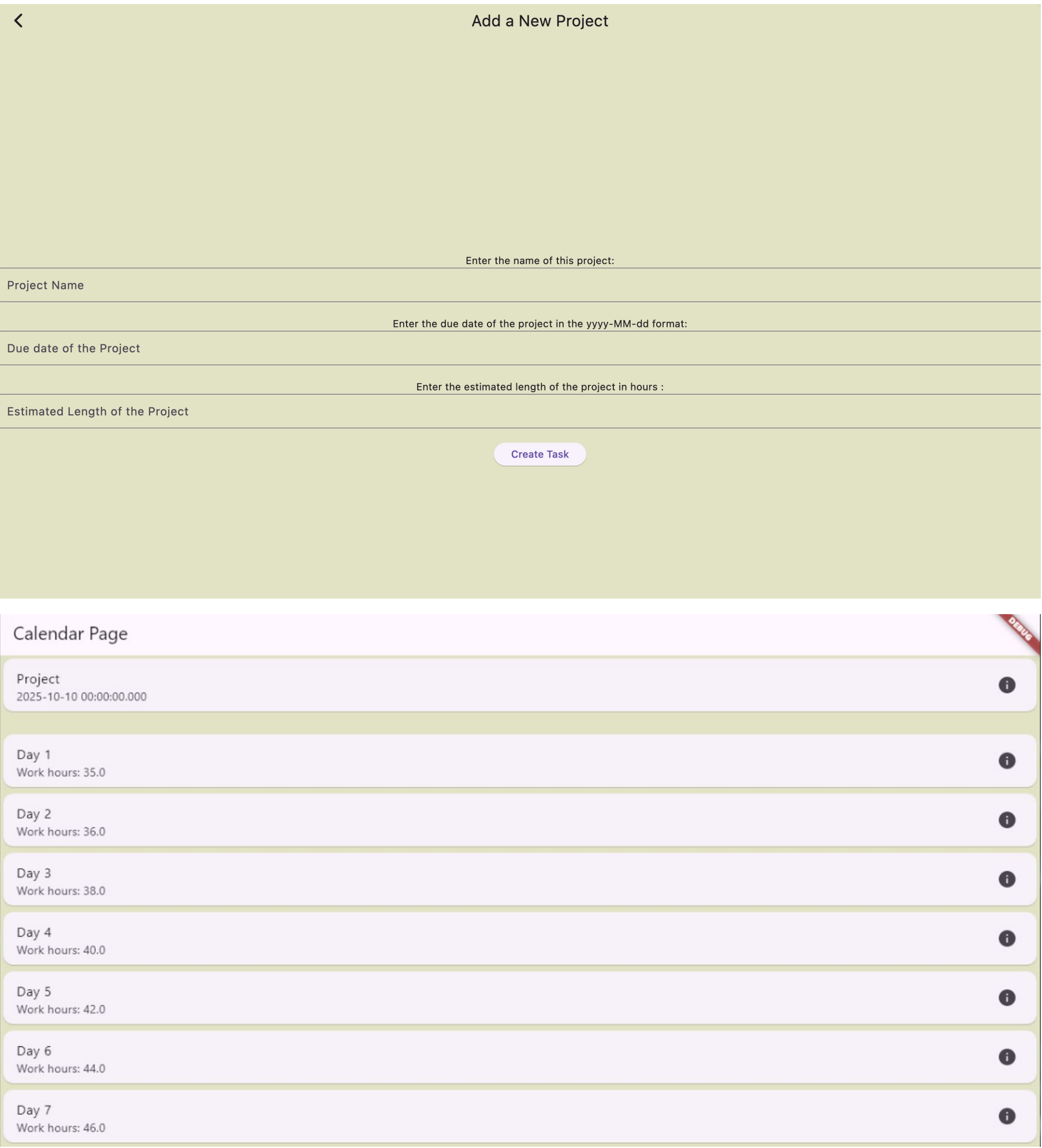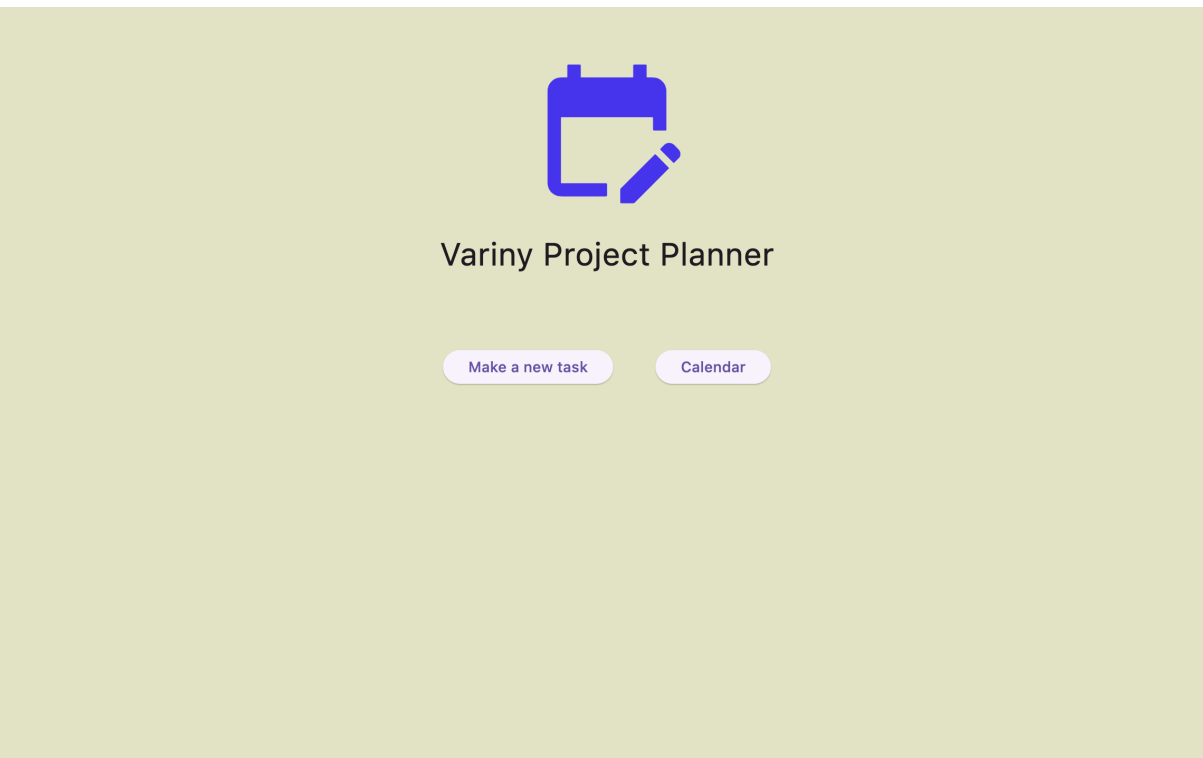
Major Algorithm: The S-curve

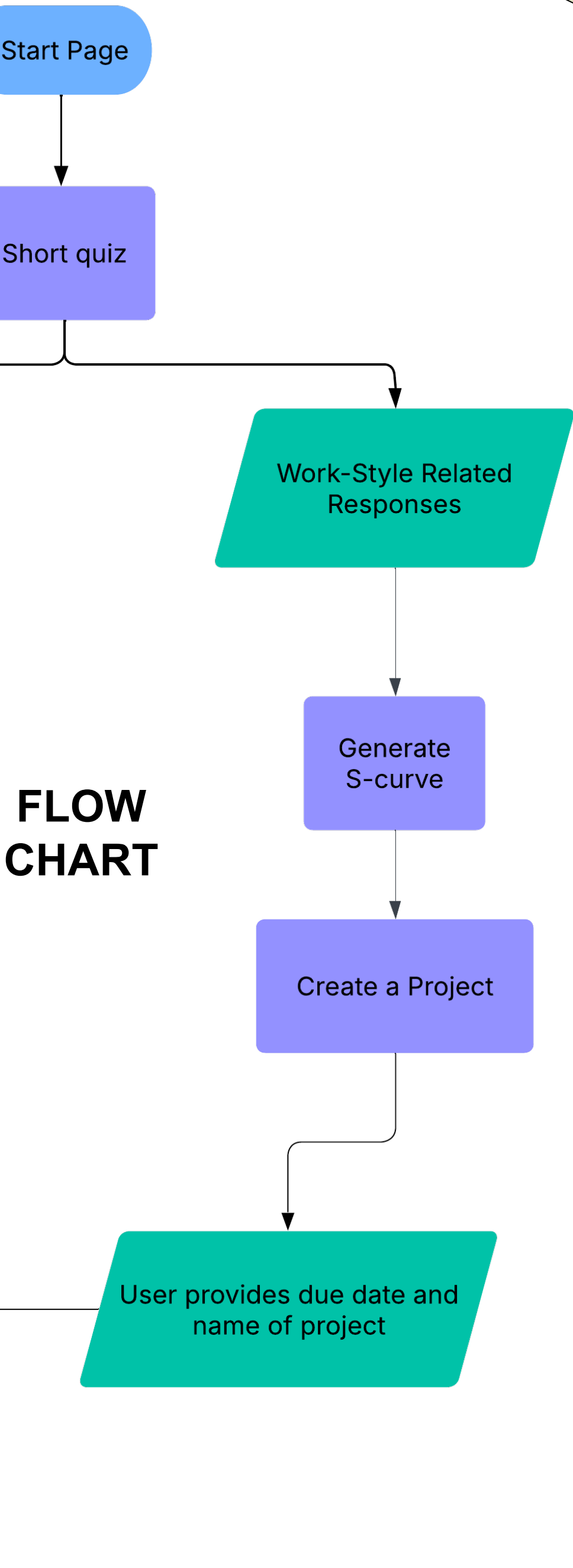Motivation levels and work length will be assigned a value 1-10

Motivation corresponds to the graph's skew, while work length corresponds to its growth rate.

Motivation	Work Length
• Low: midpoint at 1/4	• 1.06 growth rate
• Medium: midpoint at 1/2	• 1.12 growth rate
• High: midpoint at 3/4	• 1.2 growth rate

Variny Project Planner

Make a new task   Calendar

Add a New Project

Enter the name of this project:

Project Name

Enter the due date of the project in yyyy-MM-dd format:

Due date of the Project

Enter the estimated length of the project in hours :

Estimated Length of the Project

Create Task

Calendar Page

Project
2025-10-10 00:00:00.000

Day 1
Work hours: 35.0

Day 2
Work hours: 36.0

Day 3
Work hours: 38.0

Day 4
Work hours: 40.0

Day 5
Work hours: 42.0

Day 6
Work hours: 44.0

Day 7
Work hours: 46.0

FLOW CHART

Start Page → Short quiz →
- Availability Responses
- Work-Style Related Responses → Generate S-curve → Create a Project → User provides due date and name of project → Distrubutes work based on the s-curve designated for the user → End

Tools

Future Steps

• Implement AI at some point for further personalization

• Allow user to link the Variny app to a Google/Microsoft account to save data instead of local storage

• Implement quiz so that it feeds answers into the algorithm