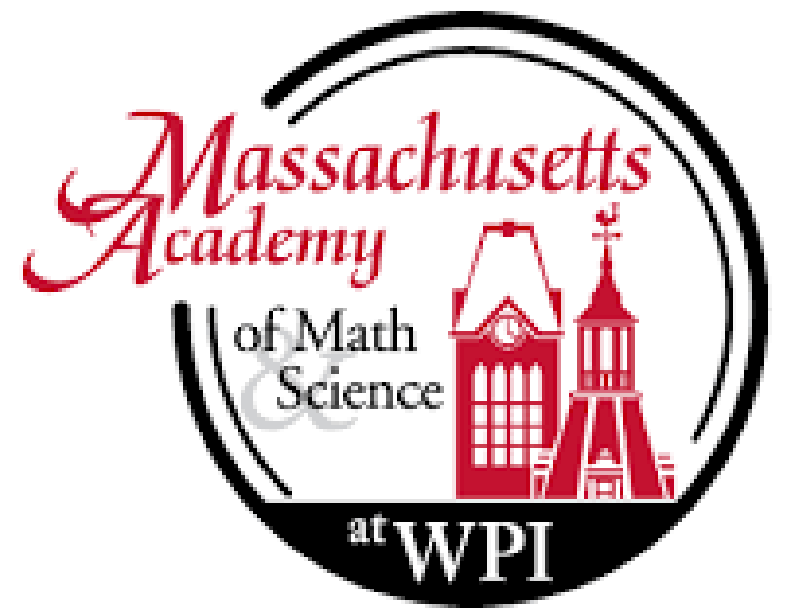


SchMAMS

Taste the **RGB**

Developers: Lydia Metcalf, Jotham Sserwadda, Jianna Bixho
Advisor: Angela Taricco



Community Need

Mass Academy Schedule for the week of **January 27 - 31, 2025**

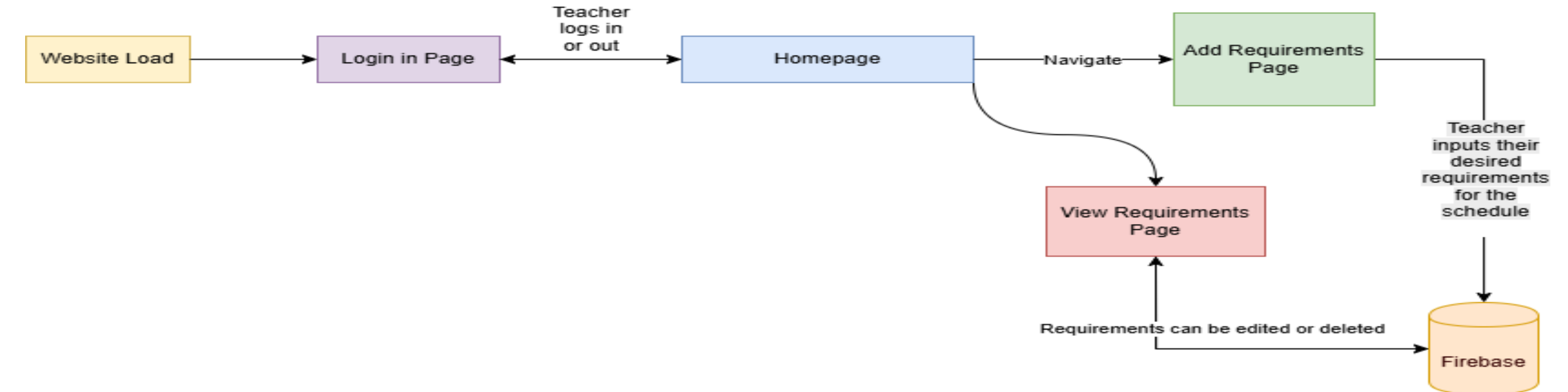
Form C generated 4/27/2025 12:34

Monday 1/27 (day 100)		Tuesday 1/28 (day 101)		Wednesday 1/29 (day 102)		Thursday 1/30 (day 103)		Friday 1/31 (day 104)	
7:45 Physics	7:45 STEM	7:45 Hum	7:45 CS	7:45 Physics	7:45 STEM	7:45 CS	7:45 Physics	7:45 Math	7:45 Physics Test
8:45 Math	8:45 Physics	8:45 Math	8:45 CS	8:45 Math	8:45 Physics	8:45 Hum	8:45 Math	8:45 CS	8:45 Physics
9:45 Meeting in Bickford	9:45 STEM	9:45 Hum	9:45 Lang	9:45 Math	9:45 Physics	9:45 Hum	9:45 Math	9:45 CS	9:45 Physics
10:15 STEM	10:15 Hum	10:15 Lang	10:15 Math	10:15 Physics	10:15 Hum	10:15 Lang	10:15 Math	10:15 Physics	10:15 Hum
11:15 Lang	11:15 CS	11:15 Physics	11:15 Flex Block	11:15 Hum	11:15 CS	11:15 Lang	11:15 STEM	11:15 Math	11:15 Physics
12:15 Lunch	12:15 Lunch	12:15 Lunch	12:15 Lunch	12:15 Lunch	12:15 Lunch	12:15 Lunch	12:15 Lunch	12:15 Lunch	12:15 Lunch
12:45 CS	12:45 Physics	12:45 Hum	12:45 CS	12:45 Hum	12:45 Math	12:45 Physics	12:45 Hum	12:45 CS	12:45 STEM
1:45 Hum	1:45 Lang	1:45 STEM	1:45 CS	1:45 CS	1:45 Lang	1:45 Math	1:45 Group 1 Wellness	1:45 Group 2 Yoga	1:45 Lang
2:45 Physics Club	2:45 Competing Club	2:45 Math Team	2:45 Fiber Arts	2:45 Internado Club	2:45 Math	2:45 STEM	2:45 Lang	2:45 CS	2:45 STEM

Math whole school
White school STEM
No 47 after 1 block
Faculty Meeting 1:30 - 1:50
Math 1.5 hour whole school
No K3 Middle 2.5.4

The current process of making Mass Academy schedules is long and tedious, as there are many things to consider when Ms. Ludes, the Mass Academy director, creates the schedule. One major part of making the weekly schedule is accommodating teachers' requests to have specific types of classes each week.

App Architecture

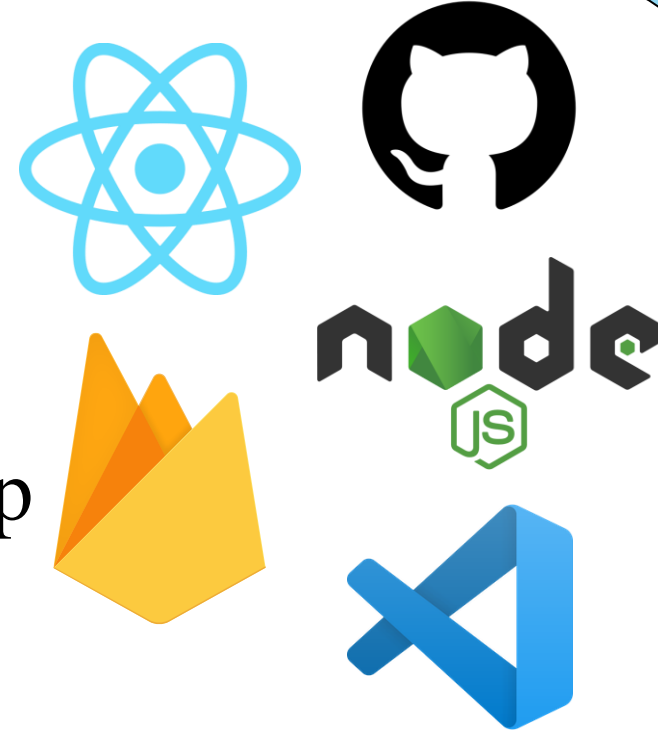


Target Audience

An app targeted towards the Mass Academy faculty.

Tools

- React: Algorithm
- Firebase: Storing user data
- VS Code: Programming
- GitHub: Shares code with group
- Node.js: Cross-platform, open-script Java-Script



Competitors

- Don't accommodate to teacher requirements
- Forces the user to do all the scheduling manually
- Can't accommodate to Mass Academy classes



Mams
Class schedule

Monday	Tuesday	Wednesday	Thursday	Friday
Phys/Mrs. Chase	Phys/Mrs. Chase	Phys/Mrs. Chase	Phys/Mrs. Chase	Phys/Mrs. Chase
STEM/Dr. Crowthers	STEM/Dr. Crowthers	STEM/Dr. Crowthers	STEM/Dr. Crowthers	STEM/Dr. Crowthers
Math/Mrs. Burns	Math/Mrs. Burns	Math/Mrs. Burns	Math/Mrs. Burns	Math/Mrs. Burns
Lang/Mrs. Wildong	Lang/Mrs. Wildong	Lang/Mrs. Wildong	Lang/Mrs. Wildong	Lang/Mrs. Wildong
Hum/Ms. Small	Hum/Ms. Small	Hum/Ms. Small	Hum/Ms. Small	Hum/Ms. Small
CS/Mrs. Taricco	CS/Mrs. Taricco	CS/Mrs. Taricco	CS/Mrs. Taricco	CS/Mrs. Taricco

Our Solution

Mass Academy Schedule App

Login Page

Username:

Password:

Login

Mass Academy Schedule App

What Type Of Requirement Would You Like To Make?

The current teacher is Mrs. Taricco and the current class is Computer Science

Select...

All-School
Unavailable
Specific Section Request
No XYZ Day

Mass Academy Schedule App

All-School Requirements

Please enter the date
mm/dd/yyyy

Please enter the start time
--:--

Please enter the reason
Select an option...

How much time will you need?

1hr
1hr 15mins
1hr 30mins
1hr 45mins
2hrs
2hrs 15mins

Would you also like a normal class this day?

Yes
No

Back Submit

Mass Academy Schedule App

All-School Humanities

Date: 2025-04-25

Time: 9:45

Requesting teacher: Ms. Small

Why Assessment

Unavailable Teacher

Date: 2025-04-25

Time: 11:00

Requesting teacher: Mrs. Wildong

Class Language

Unavailable Teacher

Date: 2025-05-01

Time: 07:45

Key Features

- Allows the teacher to input their requirements
- Allows teachers to edit requirements
- Displays all user requirements for teachers to see

Select... ▼

All-School
Unavailable
Specific Section Request
No XYZ Day

Future Extensions

- Add a safeguard to verify that requirements are possible
- Account for the split in French classes
- Generate and display a schedule with no requirements
- Generate and display a schedule with requirements
- Export schedule in Excel-compatible format