

Assignment 3: Project Topic Proposal (Group 5)

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Name of Project: SmartSched

Title: Scheduler with Chatbot + ToDo List Generation

Product Vision:

FOR students and professionals **WHO** need to manage their schedules. **THE** SmartSched: Manage entire schedules for when to go to class, attend meetings, go to a get together, networking event **THAT** can keep track of everyone's busy schedules and suggest the perfect time to schedule a meeting **UNLIKE** other products, that does not manage all of this **OUR PRODUCT** provides AI-assistance and can send alerts based off the need (scheduling conflicts, create calendar, send out meeting invites).

Development Platforms:

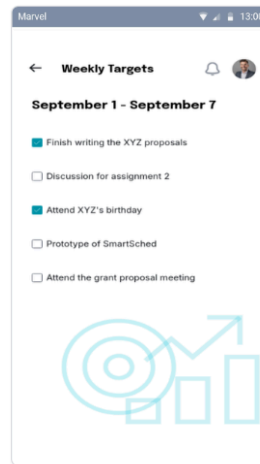
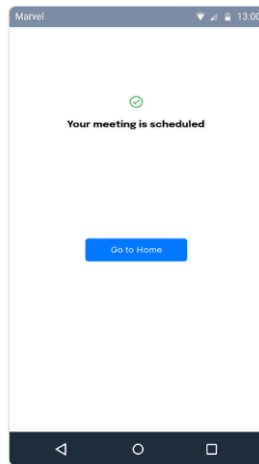
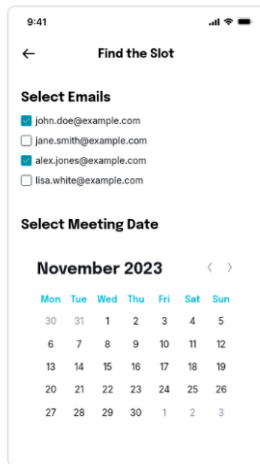
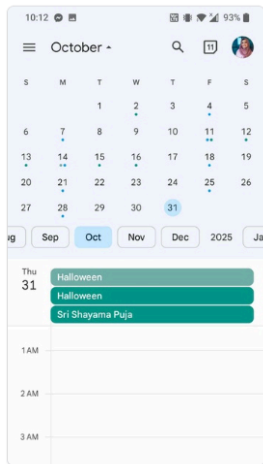
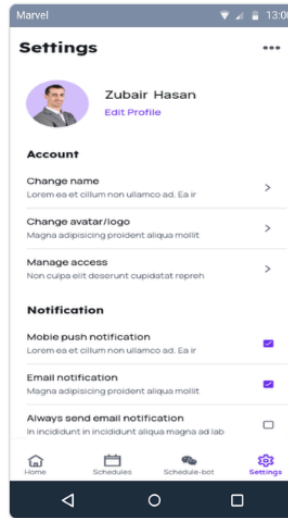
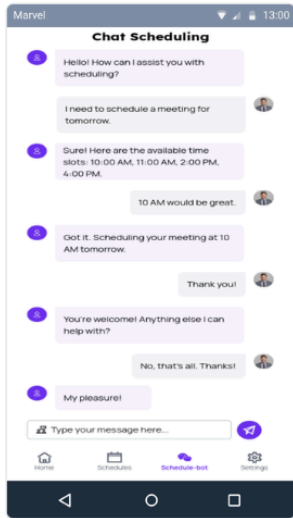
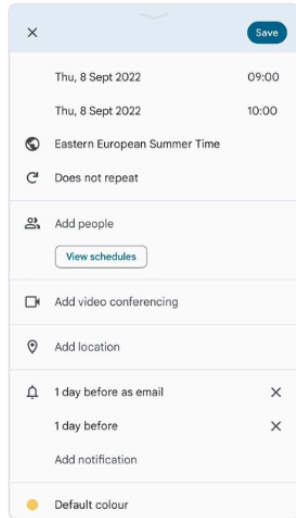
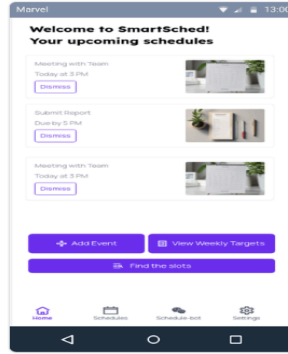
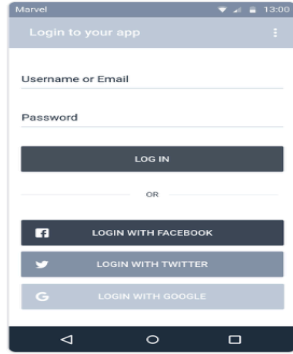
OS: Ubuntu/Windows, Ram: 8GB, 4 Core CPU

Features:

- **Open Invites** - An individual can send out an open invitation for an event.
 - Example: A student has a midterm coming up and is planning on studying for the exam two days prior. To help prepare for the example the student would like to send a calendar invite using this app. He/she can say "October 10th, 12:00PM, studying at discovery park for Software Engineering"
- **Automated Meetings** - Based on schedules provided within a certain group, a meeting time or list of available meeting times is generated for a team. It's called **Find the Slot**.
 - Example: 5 graduate students are trying to find a time to meet up and discuss their project. However, one student works a 9-5 job, two students are full time students, and two students are full time students and do research.
 - Using our SmartShed app, each student can input the timings when they are **NOT** available. Using this information, the students can have a generated list of available times.
- **Timely Notifications** - Once a meeting is scheduled, a notification will be sent to each participant.
 - Example: Each student receives the first automated message that they have a meeting coming up. Along with this initial message, separate notifications CAN be sent out. Based on the priority of the meeting. Maybe once an hour or once a day.
- **Chatbot:** All the features can be accessed using the chatbot.

Software Environment: Flutter, Python, Flask, MongoDB

Prototype Link: <https://marvelapp.com/prototype/6j814g2>



Name of Project: FinBot

Title: AI-Driven Personal Finance Manage

Product Vision:

FOR people facing challenges in managing their finances **WHO** wants to track their personal daily transactional activities and categorize the amount they spend and get some insights on their purchases **THE** FinBot: AI-Driven Personal Finance Manage is a mobile application **THAT** tracks daily transactions and categorizes spending based on receipt images and item recognition **UNLIKE** other apps like mint, ynab(you need a budget) **OUR PRODUCT** provides AI-assistance with which users can generate customized financial reports and get insights through a chatbot.

Development Platforms: OS: Ubuntu/Windows, Ram: 8GB, 4 Core CP

Features:

- **Transaction** - Tracking daily expenses or transactions.
 - Example: A new student is trying to understand his/her new financial habits. Especially undergraduate students have a difficult time understanding how they should manage their finances. Using this app, the student can monitor their habits daily and check what is in their accounts. By seeing this, a student may think to themselves “I need to spend less” or “I can treat myself.” At the same time, our chatbot will help with this, as explained in the next bullet point.
- **Personalized AI chatbot** - Personal conversation with a chatbot where we can ask specific questions of our transaction summary.
 - Example: A person using this application can ask the AI chatbot to generate the monthly expenses report, it then generates a pie chart displaying the expense category along with its respective amount (a percentage or cash amount).
- **Categorizing spending based on receipt images-** we can add the receipt images in the expenses then the system automatically analyzes those receipt images using item recognition. It then categorizes each transaction into its respective category.
 - Example: An employee has a team lunch and he uses his credit card to pay for this. However, after sometime, the company sends an email saying that this lunch can be expensed to the company. The employee takes an image of the receipt and sends it to the app. Immediately, the name, amount to expense, category all can be extracted through the image.

Software Environment: Flutter, Python, Flask, MongoDB

FinBotPrototype:<https://www.figma.com/design/NNa3qUmuJUvPrVtryEvb6v/FinBot-Prototype?node-id=0-1&node-type=canvas&t=LCSSMnKxzVrT4RbP-0>

FinBot

Login

email:

password:

[forgot password](#)

[Don't have an account yet?](#)

Home

Accounts: \$1500

Expenses: \$400

Expense Breakdown:

Expenses

Credit Balance: \$200

Total Transactions (Upload)

[Restaurant One - \\$50.00](#)

[Restaurant Two - \\$150.00](#)

[Restaurant Three - \\$30.00](#)

Total Transactions: \$200

Upload

Transactions

Transaction Name	Amount
Panda Express	\$50
McDonald's	\$50
Hyderabad House	\$150

Signup

enter your full name

email

password

re-enter password

Account Recovery

Forgot your password

please enter the email address you would like to receive your password

enter email address

Accounts

Account	Amount
Bank of America	\$500
Andhra Bank	\$500
Apple Wallet	\$500

Add Account

Account Name

Bank Account Number

Type

Currency

Add Transaction Details

Transaction Name

Amount

Category

Currency

AI Chatbot

Hi there! I'm FinBot, your personal finance assistant. I'm here to help you keep track of your spending, create budgets, and provide insights to improve your financial habits. How can I assist you today?