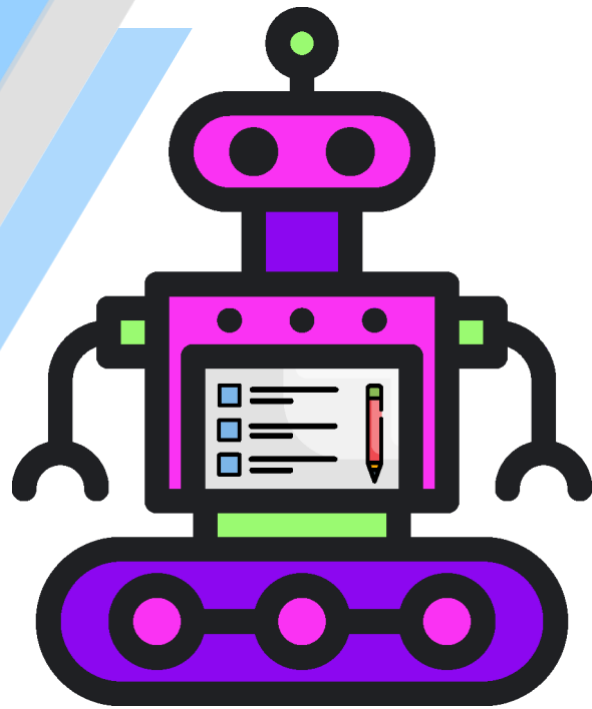


Harshu Tammima

# TASKMASTERAI



# INNOVATIVE SOLUTION

## Project Proposal

Client's request:

A cross-platform To-Do list app synced between devices with Machine Learning/Artificial Intelligence integrated into it.

**Client(s):**

- School students
- Anyone who has a trouble maintaining a timetable

**Objectives:**

- Ability to sync tasks between devices with accounts
- Provide AI/ML recommendations and suggestions
- Store data for users
- Offline access

**Innovative functions:**

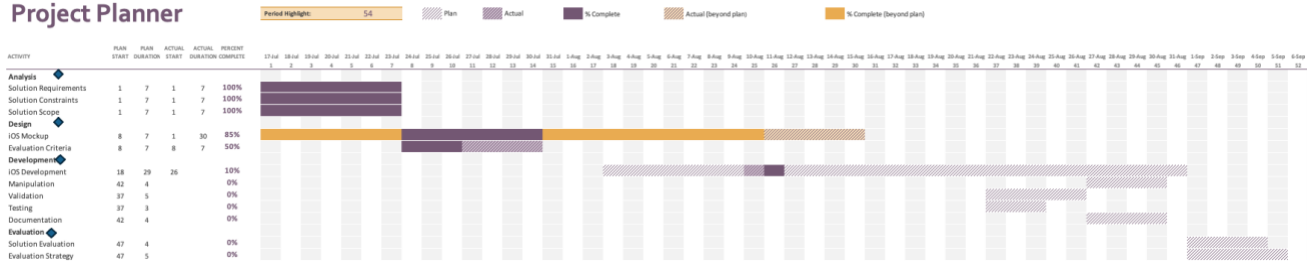
Automatically makes a timetable for the end user depending on their to-do list and provide suggestions with related tasks to the initial task.

**Hardware or Software resources required:**

- Xcode – macOS & iOS development
- Visual Studio – Windows development
- Android Studio – Android development
- WordPress – Website Development
- Figma – Design/Prototype
- Adobe XD – Design

# DATA COLLECTION

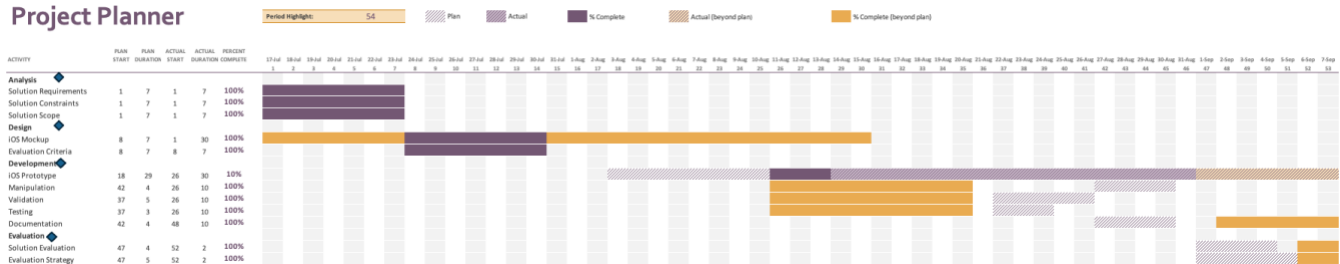
## Project Planner



## Original Gantt Chart

- Starting on 17<sup>th</sup> July 2023
- Finishing on 7<sup>th</sup> September 2023

## Project Planner



## Updated Gantt Chart

- Actual duration changed from expected due to design issues
- App development changed to Prototype due to technical issues

# DATA COLLECTION

## Solution requirements:

- Cross-Platform app
- Ability for synchronisation between devices
- Account based authentication
- Offline Access

## Constraints:

- Time
- Resources
- Money

## Data collection techniques used:

- Word of mouth questionnaire
- Online Surveys

Gender	Age Group	Do you manage your time?	What method do you use to manage your schedule?	What software do you use?	What do you like about it?	On a scale of 1-10, what would you like to have?	What physical method do you prefer to use?	Why do you prefer to use that method?
Male	Other	No						
Female	16 - 18	Sometimes	no					
Male	16 - 18	No						
Female	16 - 18	Sometimes	calendar					
Male	16 - 18	Sometimes	Physical To-Do List				Sticky notes	You can bring it anywhere. Can be
Male	16 - 18	Yes	Online Software/App	Apple reminders	simple and no bullshit	10	nothing	
Female	25 - 40	Sometimes	Physical To-Do List					I make a note for my self. Most easy n efficient method.
Female	25 - 40	Sometimes	Physical Diary					By writing and highlightin Easy to manage/rememb Rewritin
Male	40 - 50	Yes	Physical Diary					manual written Handy
Female	25 - 40	Yes	Physical To-Do List					By noting down the thing. As it is easier It is ven
Female	25 - 40	Sometimes	Physical To-Do List					Run in my mind As it keeps my brain acti Sometr
Male	16 - 18	No						
Female	25 - 40	Yes	Online Software/App	Google Tasks	Its easy to use and comfo	9	Font increasing, colour patterns	
Male	16 - 18	No						
Rather not say	16 - 18	Sometimes	Online Software/App	Obsidian	dynamic with multiple use	10	the ability to time manage	
Male	16 - 18	Sometimes	Online Software/App	Notion	It's flexible	8	No-internet access	

## [Online Survey](#)

## [Survey Responses](#)

# Evaluation Criteria

Criteria	Score out of 10 (if met)
How easy it is to use?	
Simple UI	
Cost-efficient	
Time-efficient	
Reduces time taken to write on-paper	

TaskMasterAI is built to reduce the time one spends on making a timetable for them to spend their time more efficiently. Some strategies include, spending a set time for example 10 minutes adding a weekly set of tasks to the app and then it would create a timetable automatically and provide suggestions on what follow-up tasks you can do.

# Research

There are already other apps which provide a similar solution, however there are limitations on how many AI responses you can use monthly, pay to use, single-platform (such as only phones and no website/desktop app). These are very crucial for a day-day user's life. One would like to view their to-do tasks on their phone and their laptop. Some features which other apps do not have is a shared timetable, TaskMasterAI allows you to share your timetable with your friends or family.

<https://todoist.com/help/articles/use-the-ai-assistant-extension-with-todoist>

# Legal, Ethical and Economical Considerations

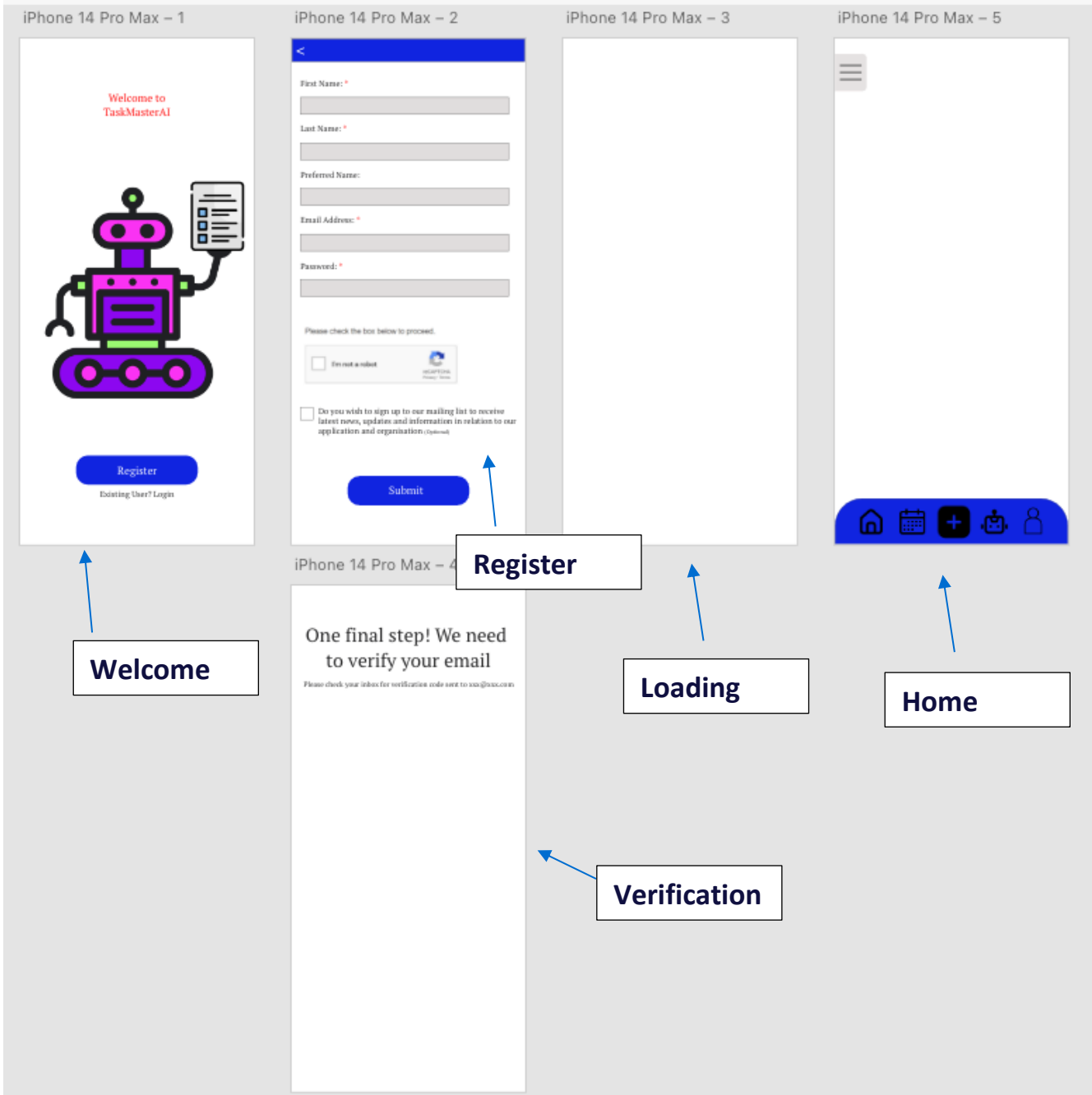
Potential Legal considerations include copyright, patent issues and similar. Many of the icons used would require to get a copyright and logos. To publish onto an app store, you would require to sign agreements and if you fail to follow the agreements, potential lawsuits could be seen. This is why, TaskMasterAI uses “free to use, without attribution” icons and images. All other objects are made internally.

<https://www.accc.gov.au/media-release/mobile-apps-market-under-scrutiny>

<https://www.smartinsights.com/mobile-marketing/top-7-biggest-flops-mobile-app-industry/>

# Solution Design

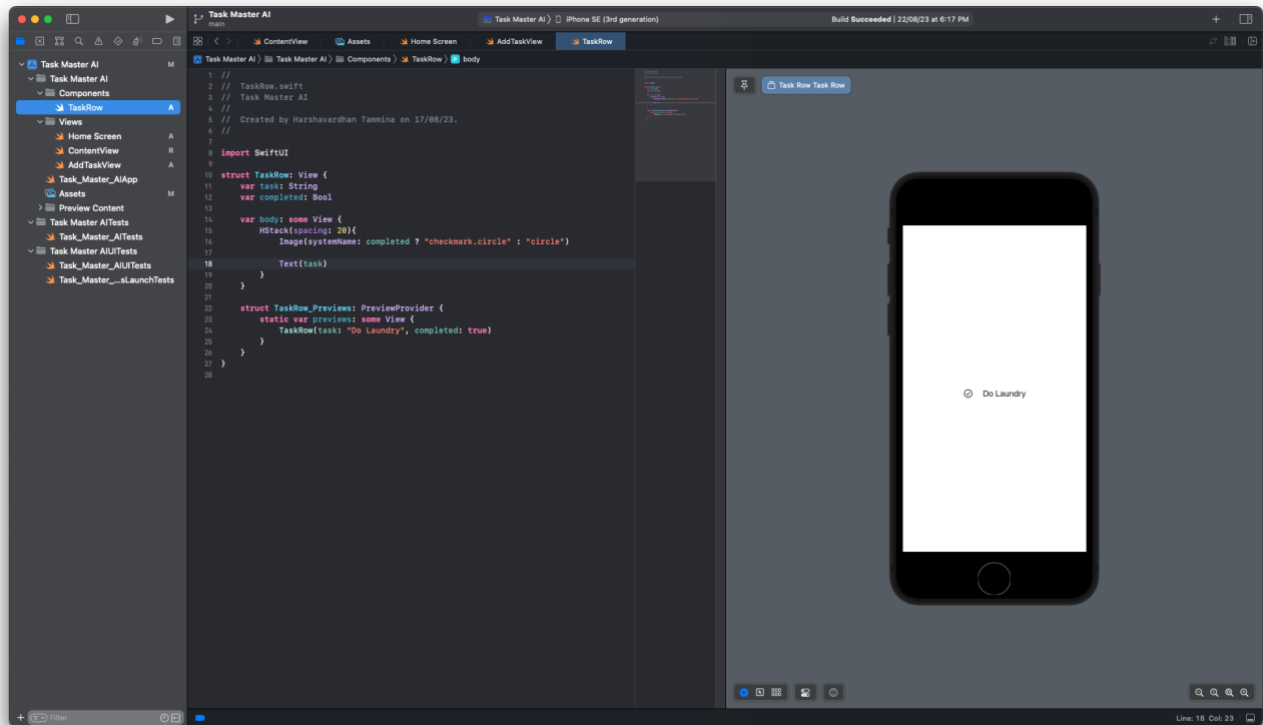
## Solution Design

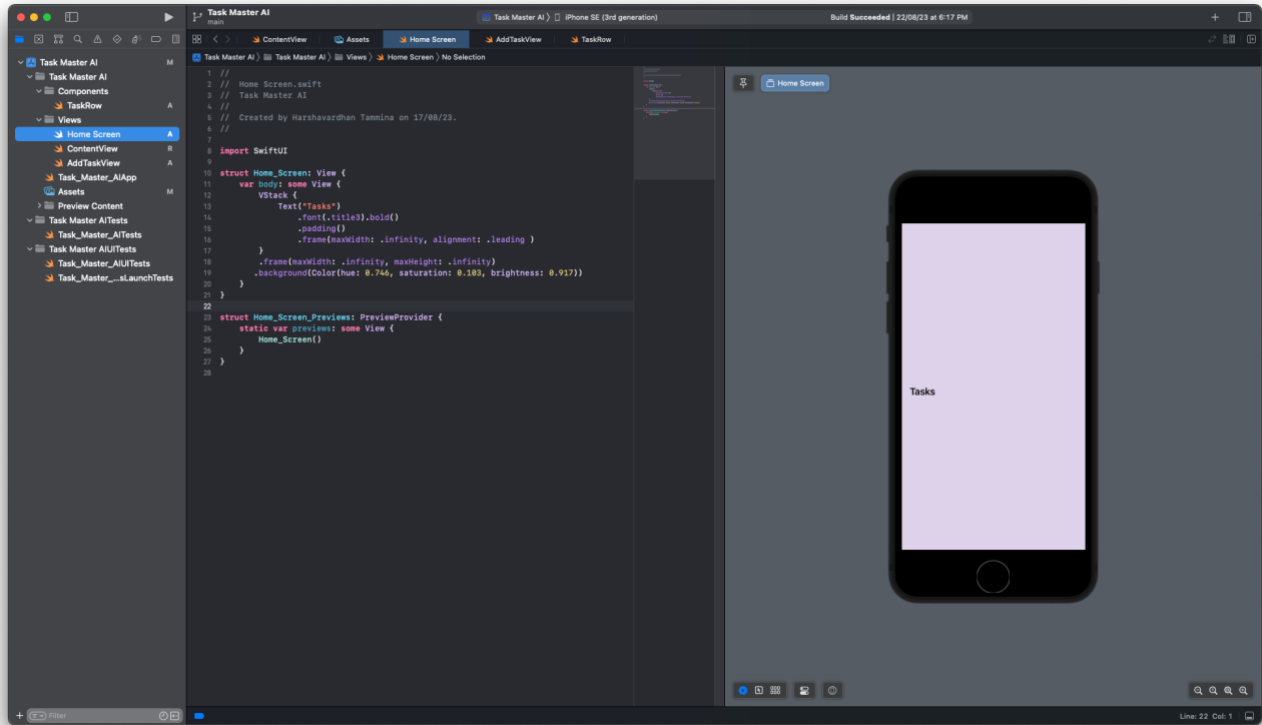


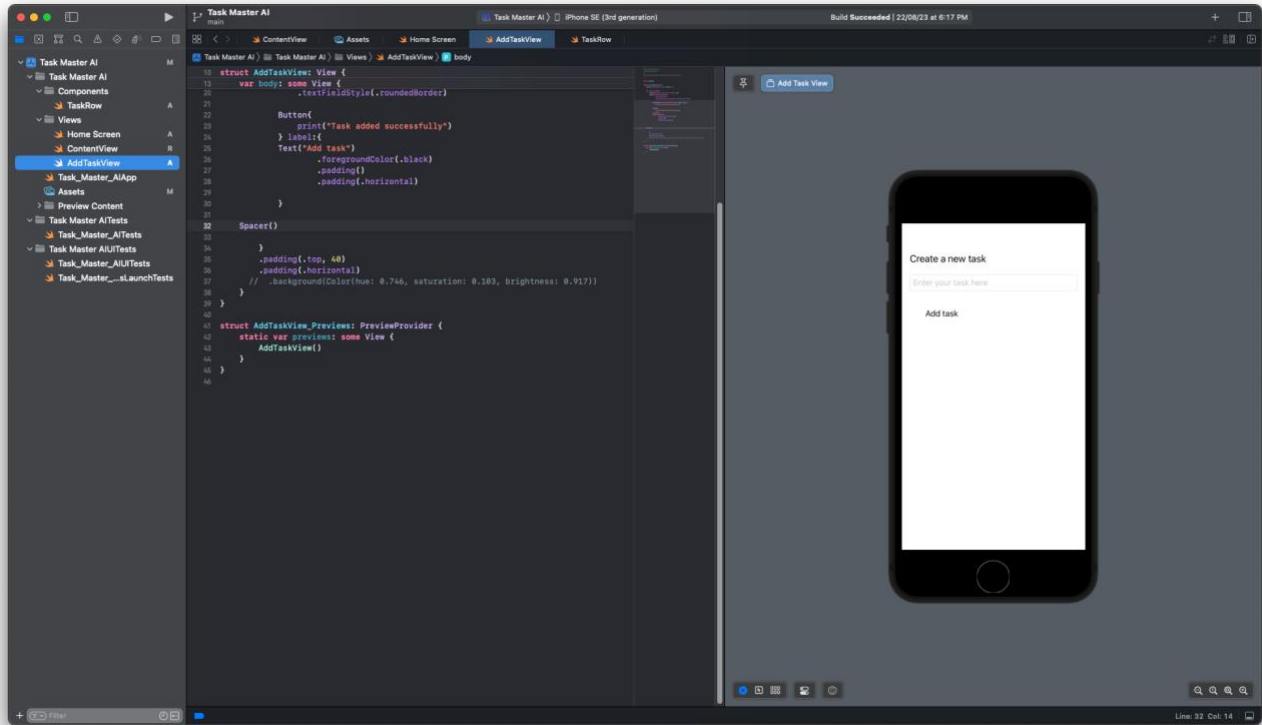


# Development

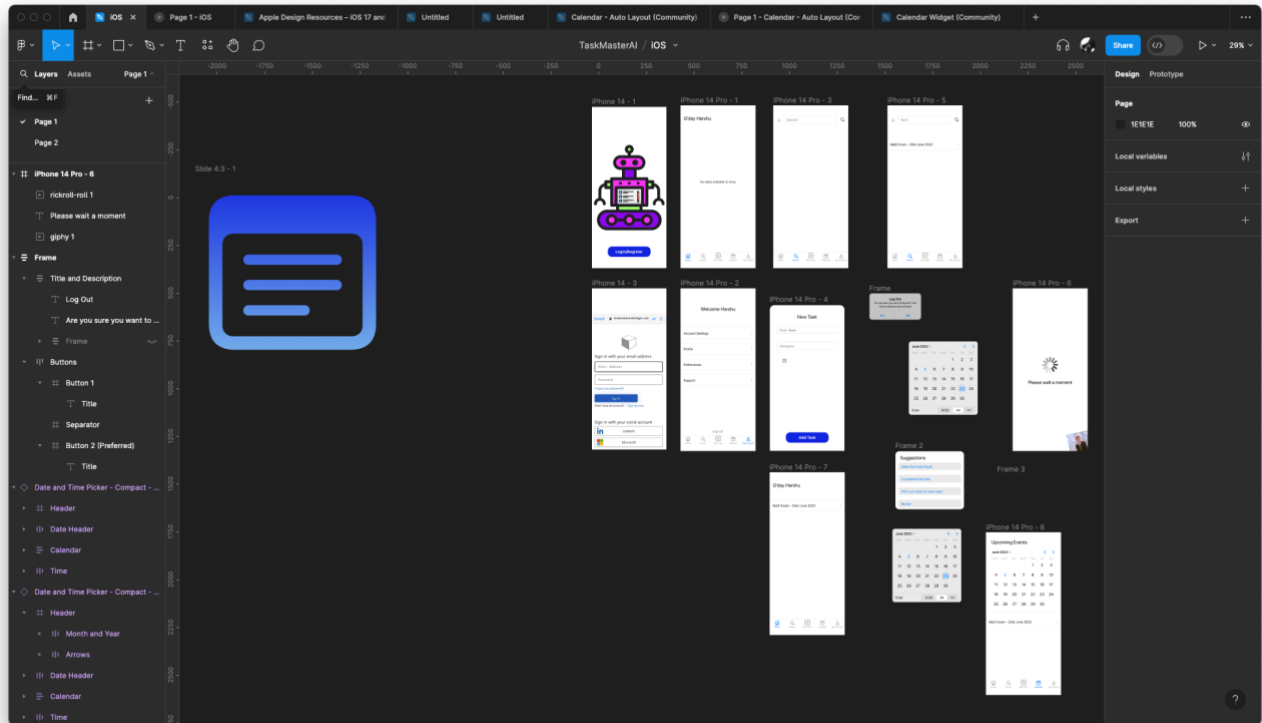
## Original Development (In Xcode):

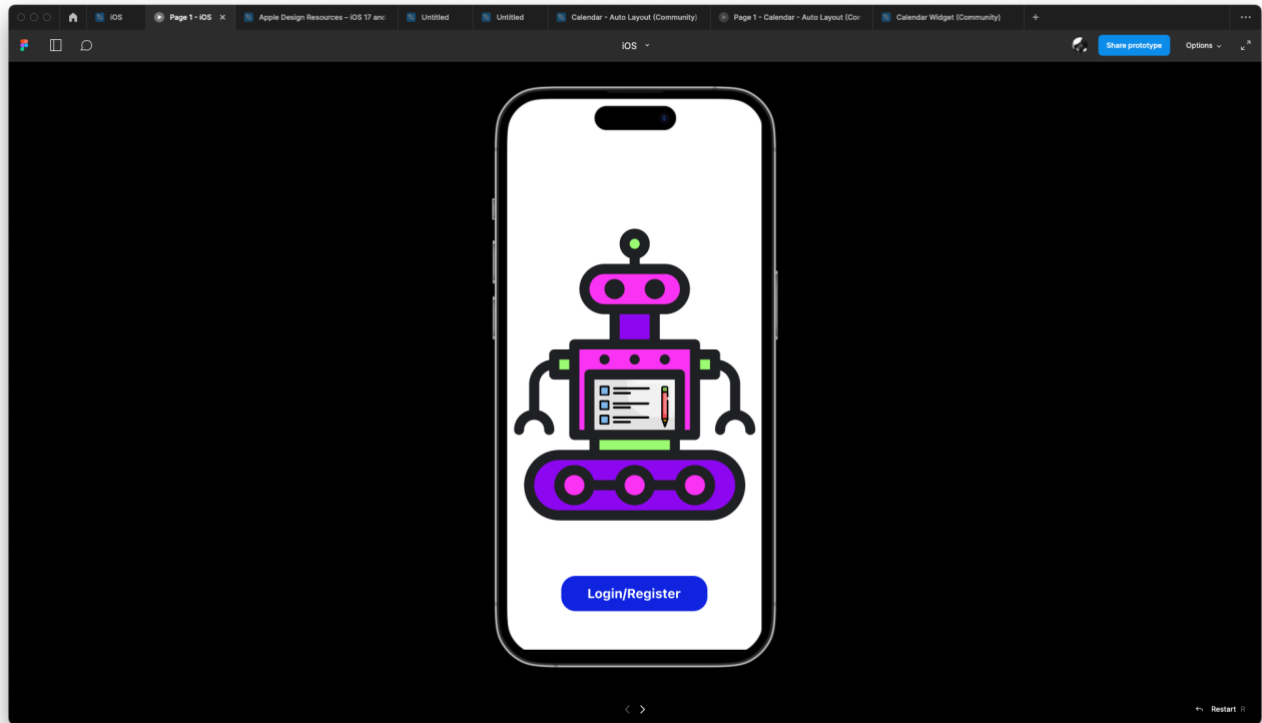


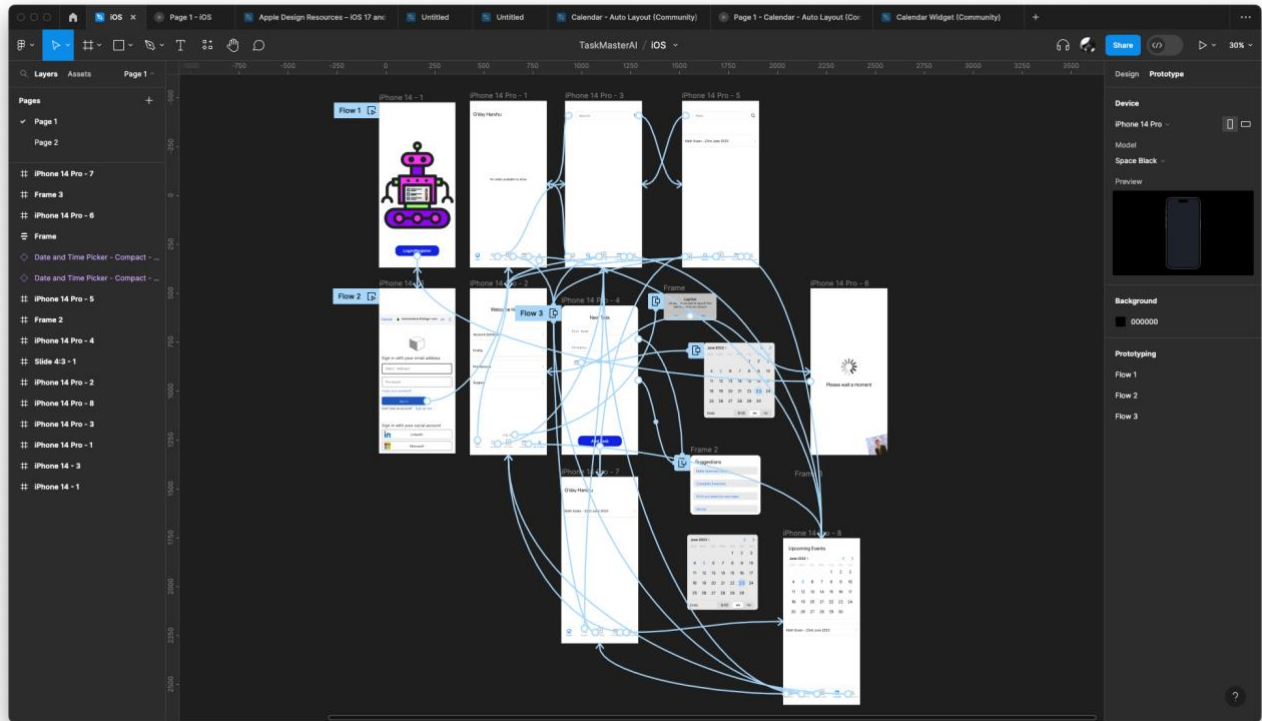




## Final Development Prototype: [Finished Prototype](#)







# Testing

**Please view attached video**

**Improvements:**

- Build Android App too
- Use time more efficiently
- Use a set journal to note down progress

Criteria	Score out of 10 (if met)
How easy it is to use?	8
Simple UI	9
Cost-efficient	7
Time-efficient	7
Reduces time taken to write on-paper	7