FINAL DOCUMENT LAYOUT

1.Document Title

Smart Bike Docking System

2.Team Name

Group 6

3.Project Name

The Docky

4.Student's names and IDS

Team Member Names (Please Print)	Signatures	Student ID
Project Leader: Nathan Ryan	R. Nathan	n01425273
Semen Dyakonov	D. Semen	n01391812
Nissan Rayappu	R.Nissan	n01435235
Binay Pawan Garlapati	G.Binay pawan	n01368870

5.Table of Contents

6.Signatures Of Team Members

1. G. Binay Pawan
2. R.Nissan
3. R.Nathan
4. D.Semens

7. Members of project and participation

Name	ID	Signature	Effort
Semen Dyakonov	N01391812	S.D.	100%
Nissan Rayappu	N01435235	N.R	100%
Binay Garlapati	N01368870	B.P	100%
Nathan Ryan	N01425273	N.R	

8. Project Scope

The project does have a lot of moving parts. Incorporating the building of the hardware aspect, we plan to have the hardware materials before week 7. We can create most of the GUI before then and try to get all of the fragments in a working state. The hardware circuit will be created before the end of November so we have enough time to monitor how the PI works with the database and the features of the app can actually engage all the moving parts in our circuit.
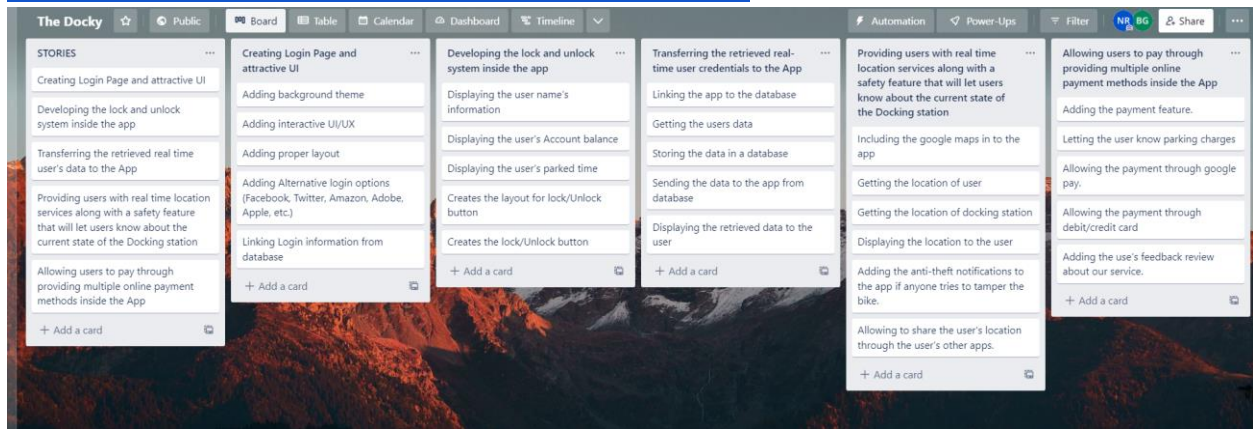
9. GitHub Repo link and strategy
https://github.com/NathanRyan5273/TheDocky
10. Verify

11. Screenshot showing we have invited our Hardware prof

13. Marks deducted

14.

https://trello.com/b/Ezxeql16/the-docky
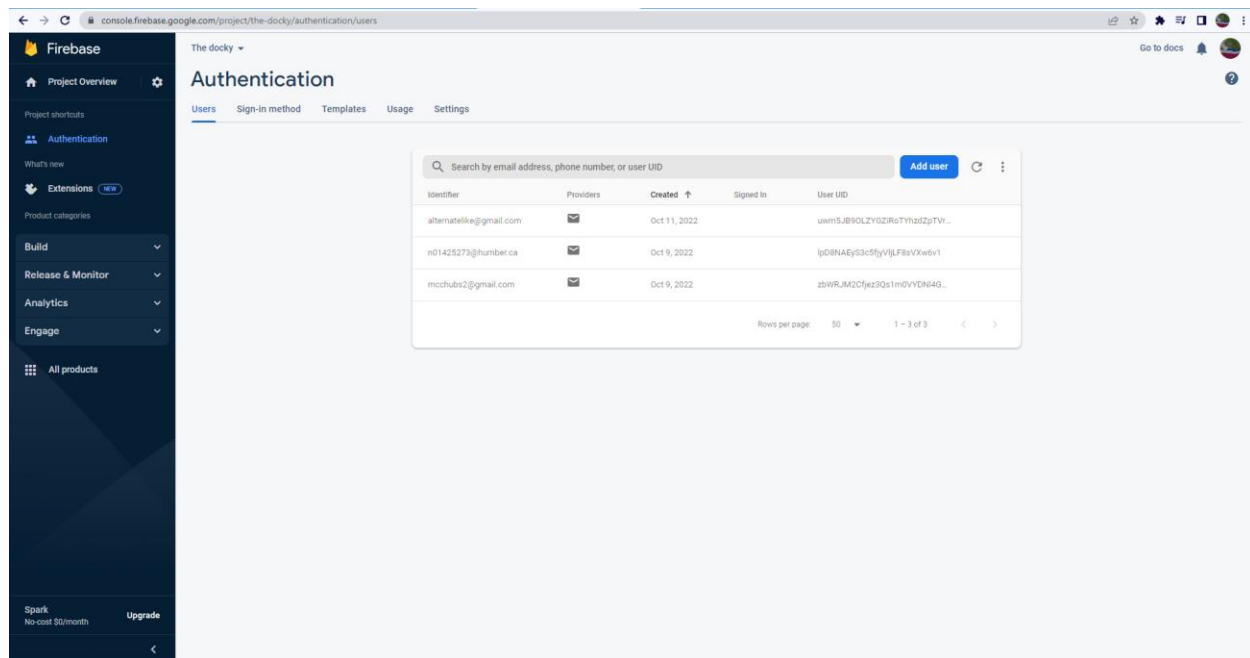

15.

16.

17.

18.

19.

Business Model Canvas – The Docky System

Key Activities ☑	Key Partners 🔗	Value Proposition 🎁	Customer Relationships ♥	Customer Segments 👤
• Providing application-based program • Expanding to more scope of use and target customers	• Smart irrigation companies • Online marketplaces • Marketing firms **Key Resources** ⚙ • Sensors, raspberry pi and microprocessors • Solar Photovoltaic (PV) technology	• Saving the time to park the bike without spending money with parking passes. • It helps to keep customers bicycles secure with our Docky app while creating a very streamlined experience for our users • simple way for bike riders to lock their bikes without taking a bike lock with them and can be notified when their bike is being tampered with. • it easy to dock and unlock their bikes from our system while giving reassurance the user's bikes are in safe hands	• Social media • Support center • Forums/F&Q **Channels** 📪 • Mobile application • Mail advertisement • Social media	• Parks • Bus Terminal • School • College/University

Cost Structure 💰	Revenue Stream 💰
• Marketing/Sale • Research and development • Resources per project	• Assembly and production revenue • Maintenance and repair

20.
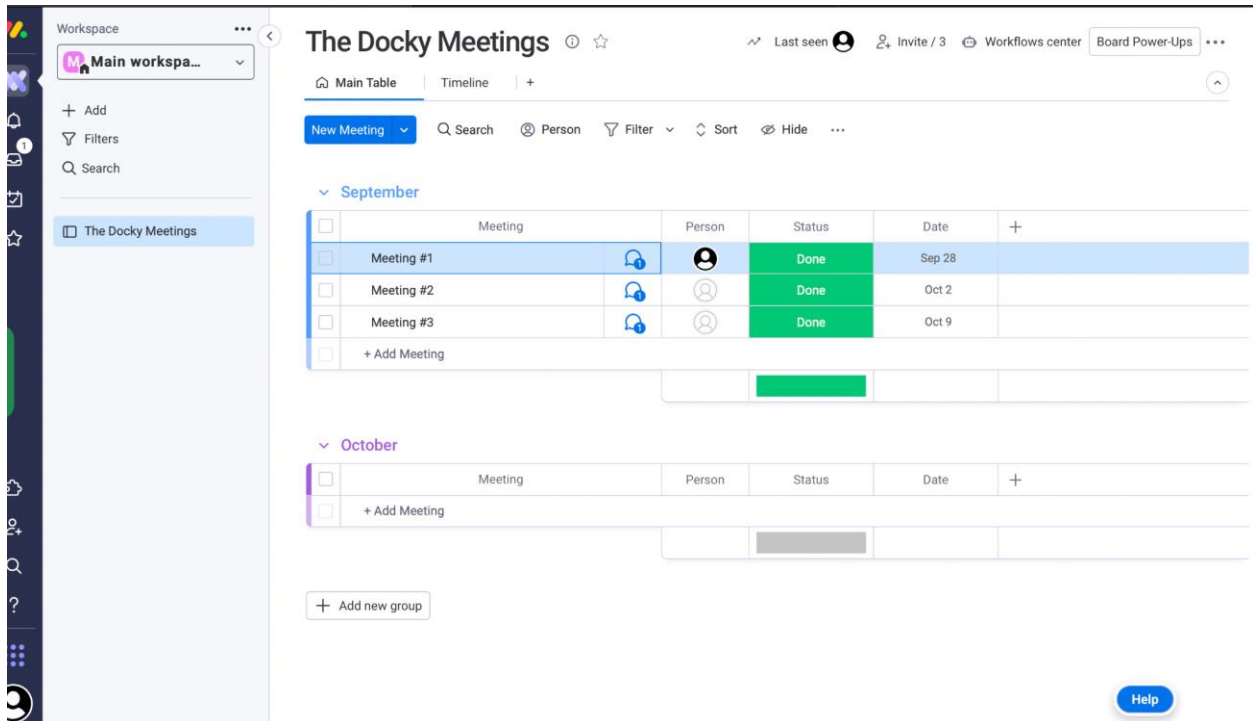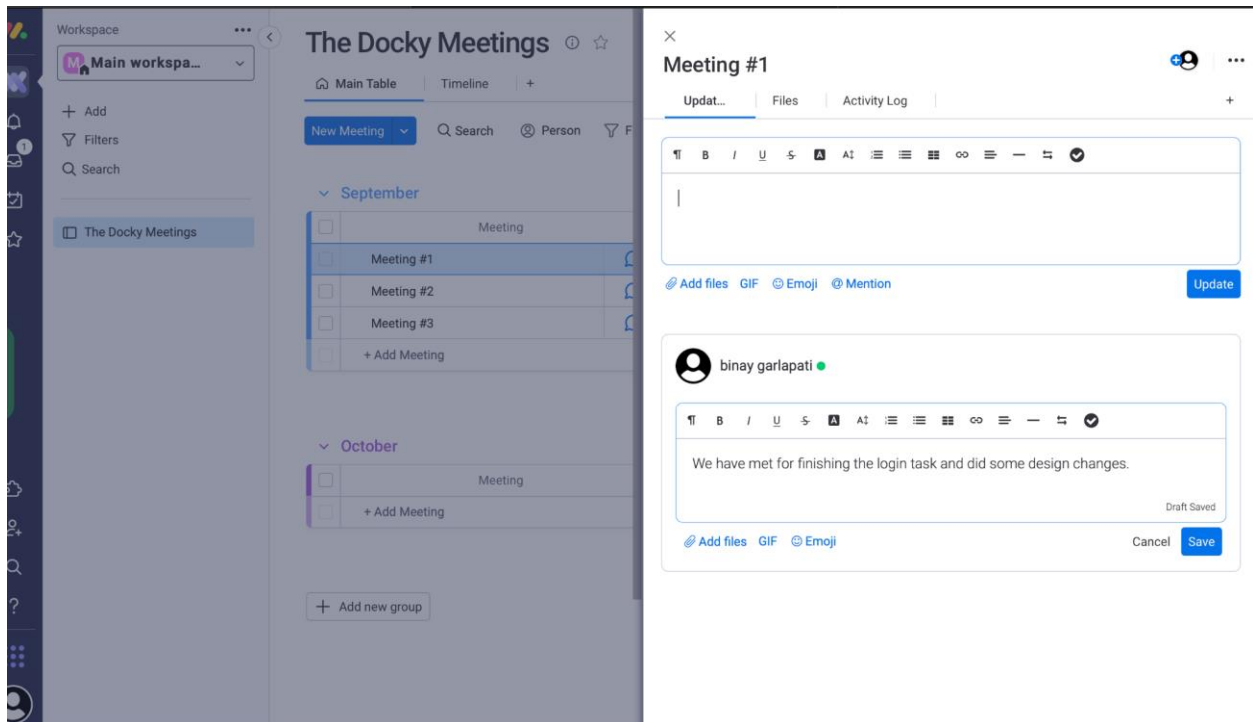
21. Created all new fragments with individual screens and a login screen linked to out DB.

22.

23.