

# 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

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# 5.Table of Contents

1.Document Title	1
2.Team Name	1
3.Project Name	1
4.Student’s names and IDS	1
5.Table of Contents	2
6. Team Contract	Error! Bookmark not defined.
7. Signatures Of Team Members	2
8. Project Scope	3
9.GitHub Repo link and strategy	3
10.	3
11	4
12.	4
13.	
14. Tasks/Stories	
15.	
16.	
17.	
18.	
19. Business Canvas Model	
20. Firebase Database	
21.	
22.	

## 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>

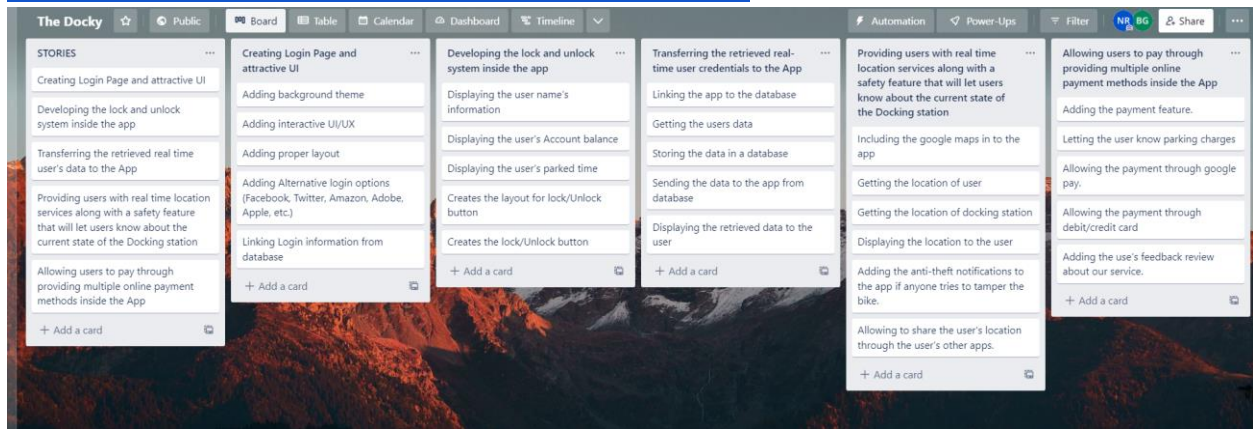
## 10. Verify

## 11. Screenshot showing we have invited our Hardware prof

## 13. Marks deducted

14.

<https://trello.com/b/Ezxeg116/the-docky>



15.










16.

17.

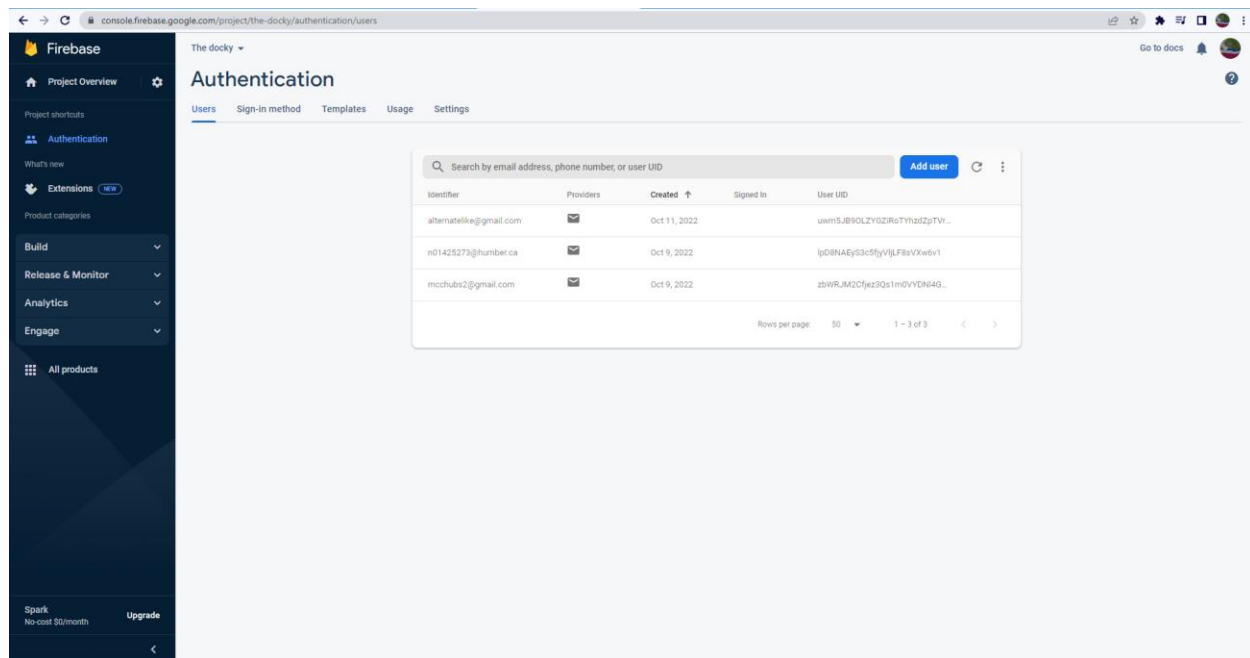
18.

19.

## Business Model Canvas – The Docky System

Key Activities 	Key Partners 	Value Proposition 	Customer Relationships 	Customer Segments 
<ul style="list-style-type: none"><li>• Providing application-based program</li><li>• Expanding to more scope of use and target customers</li></ul>	<ul style="list-style-type: none"><li>• Smart irrigation companies</li><li>• Online marketplaces</li><li>• Marketing firms</li></ul>	<ul style="list-style-type: none"><li>• 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</li><li>• 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.</li><li>• it easy to dock and unlock their bikes from our system while giving reassurance the user's bikes are in safe hands</li></ul>	<ul style="list-style-type: none"><li>• Social media</li><li>• Support center</li><li>• Forums/F&amp;Q</li></ul>	<ul style="list-style-type: none"><li>• Parks</li><li>• Bus Terminal</li><li>• School</li><li>• College/University</li></ul>
	<b>Key Resources </b> <ul style="list-style-type: none"><li>• Sensors, raspberry pi and microprocessors</li><li>• Solar Photovoltaic (PV) technology</li></ul>		<b>Channels </b> <ul style="list-style-type: none"><li>• Mobile application</li><li>• Mail advertisement</li><li>• Social media</li></ul>	
Cost Structure 			Revenue Stream 	
<ul style="list-style-type: none"><li>• Marketing/Sale</li><li>• Research and development</li><li>• Resources per project</li></ul>			<ul style="list-style-type: none"><li>• Assembly and production revenue</li><li>• Maintenance and repair</li></ul>	

20.

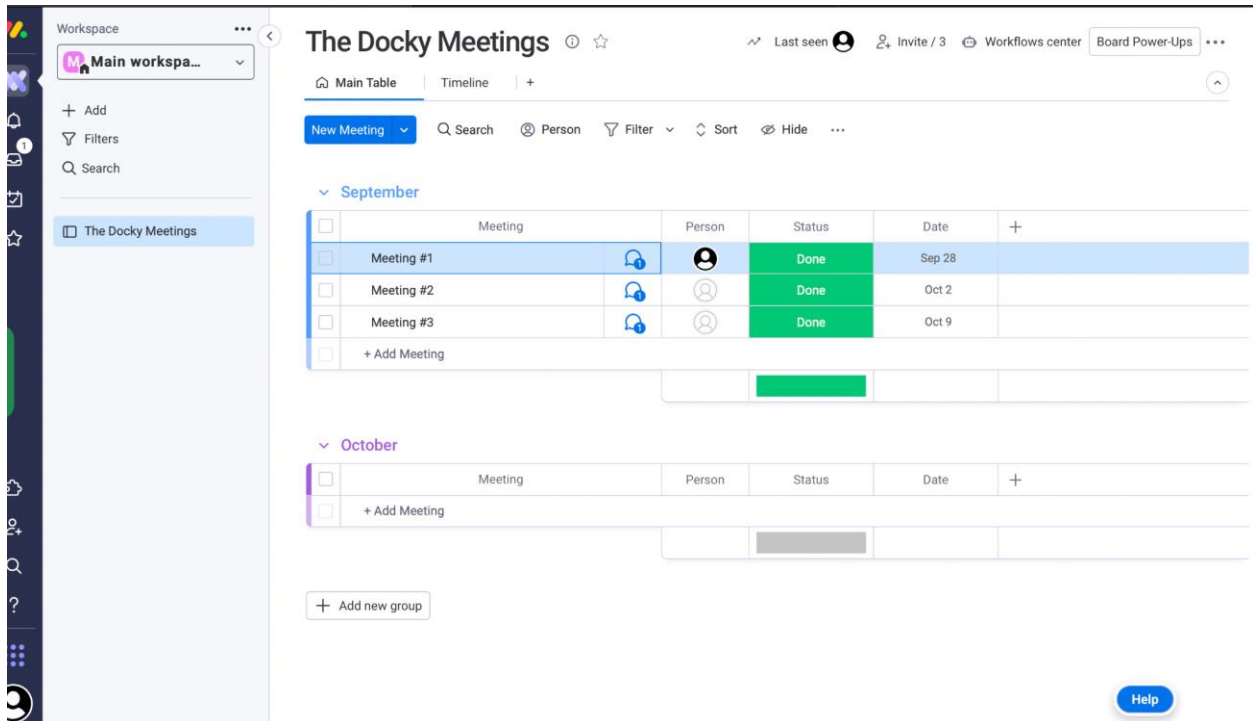
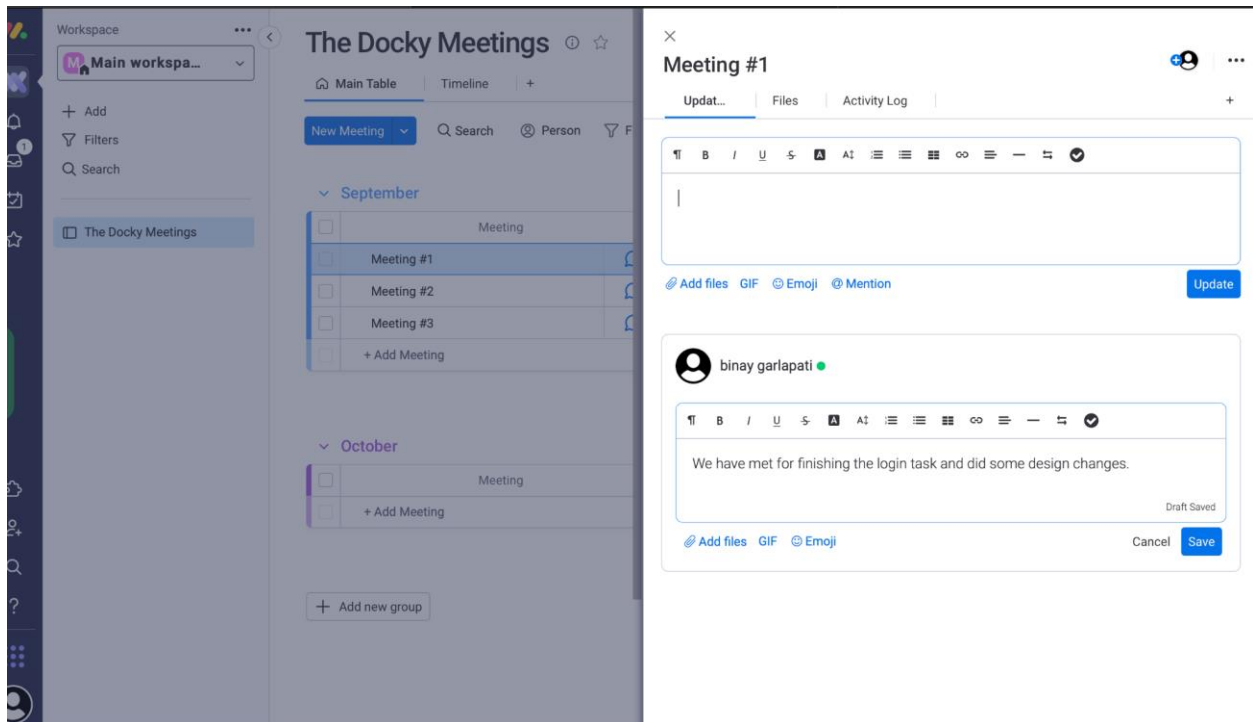


The screenshot shows the Firebase Authentication console for a project named 'The docky'. The 'Users' tab is selected, displaying a table of users. The table has columns for Identifier, Providers, Created, Signed in, and User UID. There are three users listed, all created on October 9, 2022, and signed in on October 11, 2022. The interface includes a sidebar with navigation options like Project Overview, Authentication, Extensions, Build, Release & Monitor, Analytics, and Engage. At the bottom, there is a 'Spark' section indicating 'No-cost \$0/month' and an 'Upgrade' button.

Identifier	Providers	Created	Signed in	User UID
alternatelike@gmail.com	Google	Oct 11, 2022		uwm5JB9OLZY0ZRoTYh2dZpTV...
n01425273@humber.ca	Google	Oct 9, 2022		lpD8NAEYs3c5fyVjLFBsVxw6v1
mcchubs2@gmail.com	Google	Oct 9, 2022		zbWRJM2Cfjx23Qs1m0vYDN64G...

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

22.



23.