Features

- Login Page
- Being able to take a picture
- Being able to identify coins
- Display total amount of coins
- Calculate the total
- Change amount into other currency
 - Flag info/ other country coin info
- Ask the user for a reference coin
- Correct bad images "Notify the user"
- Have info about \$Dollars
- Have a guidelines for how to take a picture of the coins
- Do database for currency info.

If we have time

- Add other currency
- Expand

Non-functional and functional requirements

1. Being able to take a picture (F)

As a user I can press a button and the camera feature will be fully loaded on the screen. As a user I can take a quality picture and focus the image.

If my device is not supported or permission is not given to the app, I as a user will be notified.

I should be able to exit out of the camera portion of the app without taking a picture if I chose so.

2. Being able to identify coins (NF)

I, as a user can depend on the app to give the correct value for each coin, based off of the coin I label for reference.

My photo can pick up on all of the coins in the photo in order to give me an accurate total.

Filters are applied and the outline of the coin and it is cut out and detected.

3. Calculate and display amount of coin (NF and F)

My display is legible and it is clear what the total is.

I receive the correct total from the backend.

4. Ask user for a reference coin (F) - Backup if machine learning doesn't work

As a user I should be prompted with a request for a reference coin.

I should be able to choose from a set of coin options to label the reference coin.

The reference coin should be able to give the correct value for the rest of the coins.

5. Correct bad images (F)

As the user, I should be shown which coins are being detected so I can retake the picture if coins are missed.

I should be given a prompt for how to take a better picture.

I should be given a prompt to take a new picture until I get it right or decide to quit.

6. Have a guideline for "how to take a picture" (F)

As a user, I will be instructed on the best angle to take the photo.

I will be informed of how to get all of the coins in the picture and therefore

counted.

I will be informed of how to choose a suitable background for the image that will produce the best results.

I will be instructed of the best lighting to take the photo, (including flash).

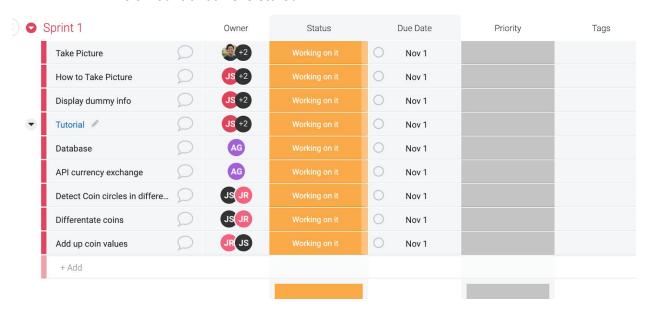
I will be told that I need to have my photo in focus.

7. Database with current currencies stored (NF)

As a user I should have the option to convert my total into different currencies.

I can rely on the database having the correct currency conversion.

The amount of coins is stored.



Sprint 2		Owner	Status		Due Date	Priority	Tags
Send photo to backend	\bigcirc	(9)	Future	0	Nov 15		
Process image, send back in	\bigcirc	(2)		0	Nov 15		
NodeJS	\bigcirc	(2)		0	Nov 15		
+ Add							
				l			
Sprint 3		Owner	Status		Due Date	Priority	Tags
Using the app alot	\bigcirc	(2)	Future	0	Oct 29		
Doing various testing	\bigcirc	(2)		0	Oct 29		
Fixing problems	0	(2)		0	Oct 29		
+ ΔhA +							
Sprint 4 (Testing)		Owner	Status		Due Date	Priority	Tags
Making things look nicer (if ti.	💭	8	Future	0	Dec 2		
Fiving bugs			10,000				
Fixing bugs	2	8	Future	0	Dec 2		
+ Add	2	8)	Future		Dec 2		
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	2	Owner	Future		Dec 2	Priority	Tags
+ Add	Ω					Priority Urgent	Tags #milestone
+ Add Open Tasks		Owner	Status		Due Date		#milestone
+ Add Open Tasks Milestone 2		Owner	Status Working on it	0	Due Date Oct 18	Urgent	#milestone #imagerecognition
+ Add Open Tasks Milestone 2 Recognize Coins in Test Ima	0	Owner JS JS JR	Status Working on it Working on it	0	Due Date Oct 18 Oct 18	Urgent Medium	#milestone #imagerecognition #imagerecognition
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