

## Milestone 1

### CS175

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#### I. Links:

Video demo for adding images and removing background feature:

<https://youtu.be/DmA2SV9nJwo>

Video demo for RunwayActivity: <https://youtu.be/GTpEN3SFOJQ>

Project link: <https://bitbucket.org/nhunguyen190103/cs175-final/src/master/>

#### II. Running Instructions:

To remove background and add a photo of a clothing item into the database using photos in Gallery:

1. Drag the photo in the Images folder in the root directory into the emulator. They will be copied under Downloads in Photos.
2. Go to Closet, choose Tops or Bottoms depending on what item you want to add.
3. Click on the Add button in the bottom right corner.
4. Choose "Choose from the Gallery"
5. Choose the one of the photos you have added previously in step 1.
6. Wait until an activity appears containing the chosen photo with background removed
7. Input the name and type of the clothing item
8. Click OK. Item should appear in the video.

To put items on model:

1. Click the Top button or Bottom button to see the list of items.
2. Long press on the item image on the list
3. Drag it to the view of the model image. The item images can be dragged within the view of the model. If the touch point is out of bounds, it will be moved along the axis of that bound.
4. Any item is brought to front on touch.

#### III. Task Log:

Task	Assignee	Time spent (hours)
1. Initialized project and created repository	Nhu Nguyen	0.1
2. Created ClosetActivity.java and activity_closet.xml to display Tops and	Nhu Nguyen	2

Bottoms button		
3. Created a ERR diagram for the relational database	Nick Fulton	1
4. Created the Bottom, Clothing, Model, Outfit, and Top helper classes to help with data handling from the database	Nick Fulton	2
5. Developed Database Helper to be the main source of database handling and implemented it into the other classes that were created	Nick Fulton	5
6. UI prototyping	Thanh Tran	2
7. Created MainActivity.java and activity_main.xml to display the main page of app	Thanh Tran	3
8. Created Runway.java and runway.xml to show list of clothing	Thanh Tran	2
9. Created ClosetDetailActivity.java and activity_closet_details.xml to display gridview of images, FloatingActionButton with Camera intent	Nhu Nguyen	2
10. Implemented Camera intent to take photos and save to storage	Nhu Nguyen	2
11. Created a chooser to choose between taking photos and choosing photos from Gallery	Nhu Nguyen	1
12. Created CountingFileRequestBody utility class to create a RequestBody for images	Nhu Nguyen	2
13. Sent POST request to remove.bg API to remove images' background	Nhu Nguyen	2
14. Created an EditText and Spinner for user to input clothing item's name and type	Nhu Nguyen	1

15. Create activity_runway_details.xml and RunwayDetailsActivity.java to display list of items	Thanh Tran	2
16. Allow the user to drag images from recycler view to drop on model. Drag image within the view of the model image. Created test classes to test this feature.	Thanh Tran	6
17. Display images on gridview	Nhu Nguyen	3
18. Debug Database and Gridview (Close all connections, fix clothing type switch statement)	Nhu Nguyen	1
19. Debug database and post and get calls	Nick	4

#### IV. Screen Captures:



