

# Design Document of BCEO

Team BOO

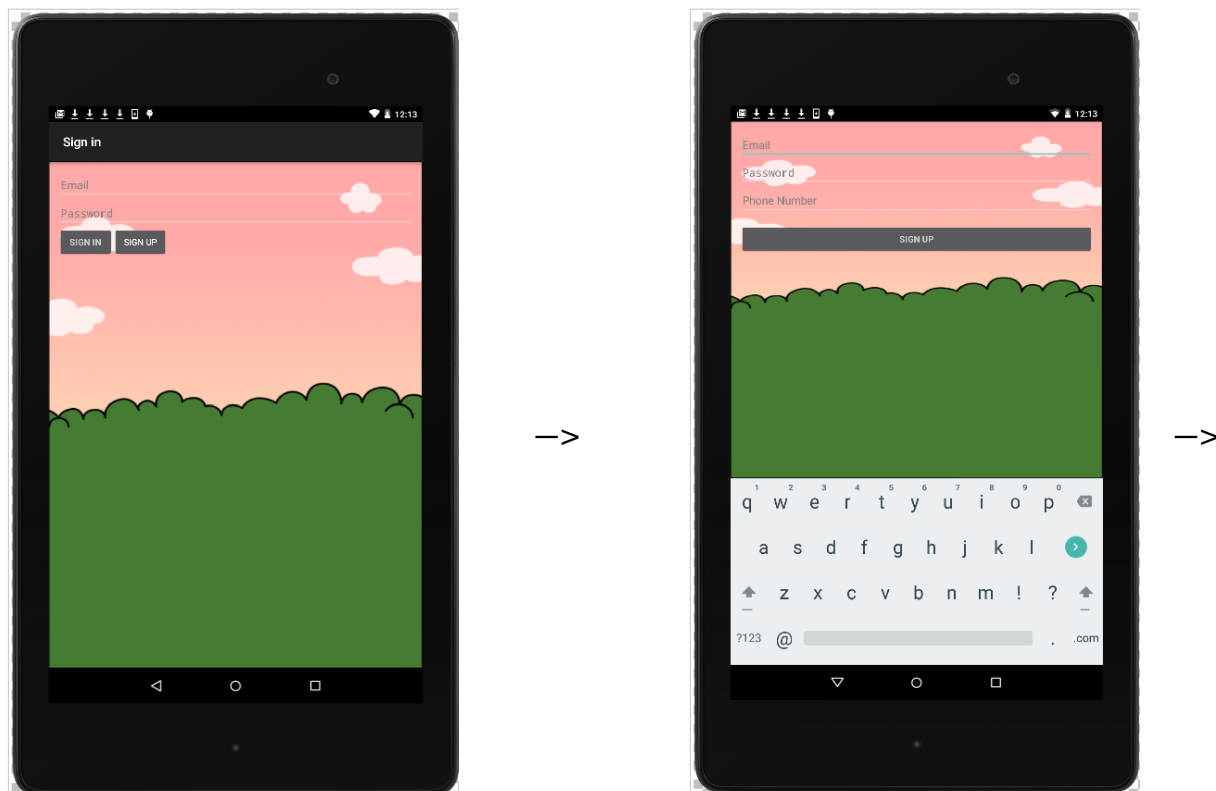
12/11/2015

## \*\*\* Resolutions \*\*\*

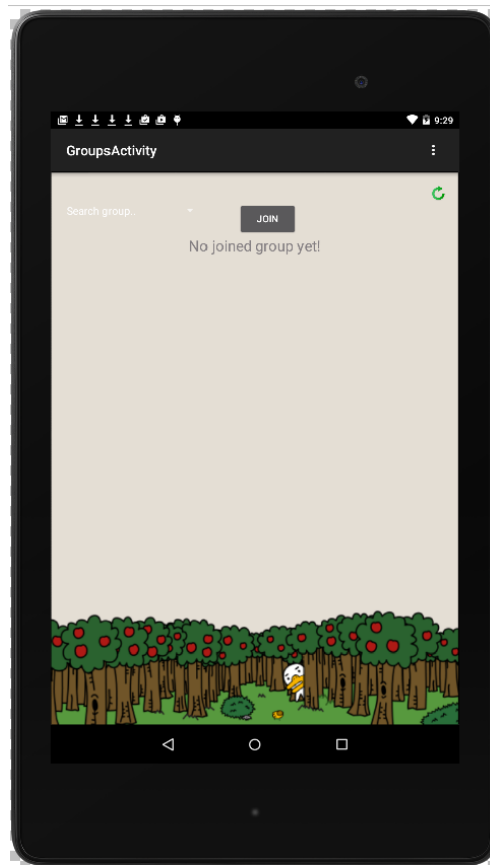
Supporting resolutions: Large & Extra Large devices

Supporting devices: Nexus 7 & Nexus 9

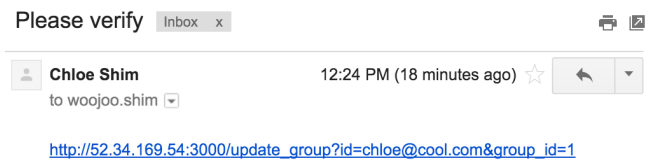
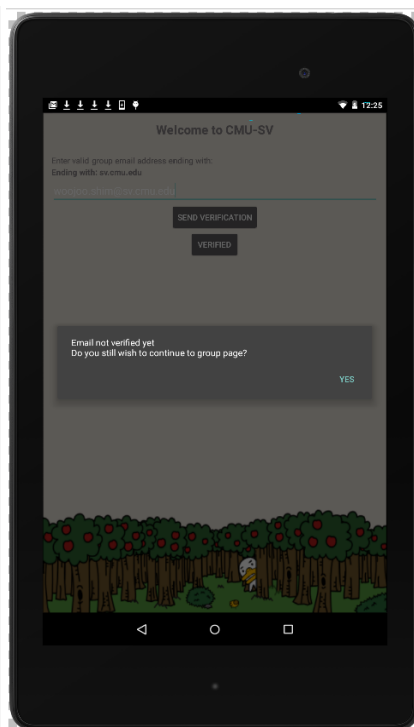
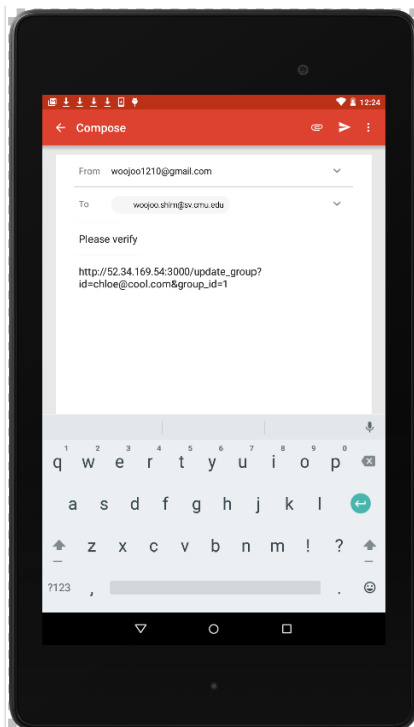
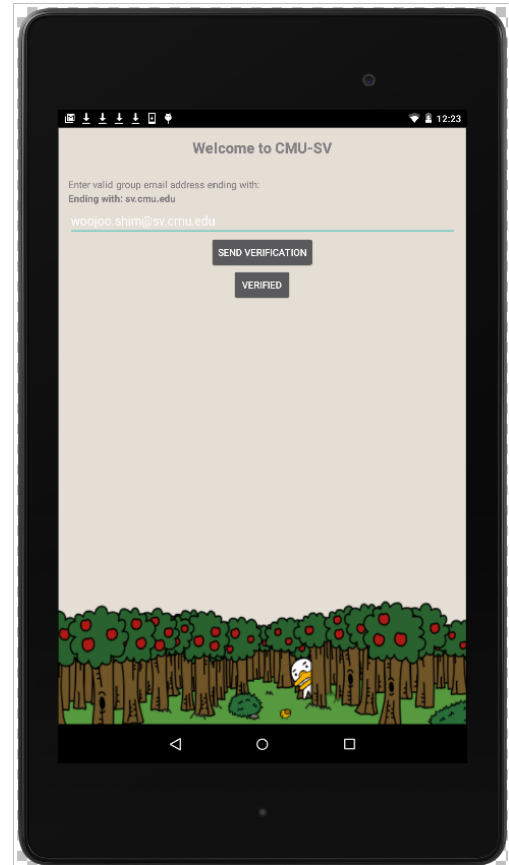
## \*\*\* Page Flow \*\*\*

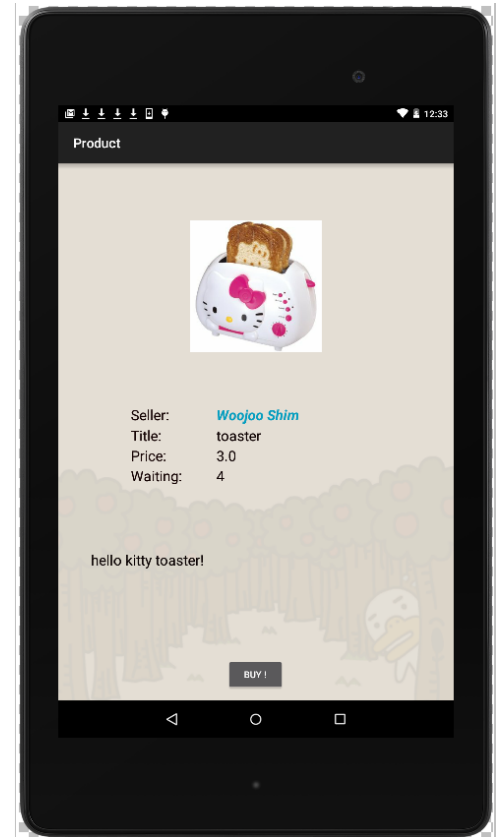
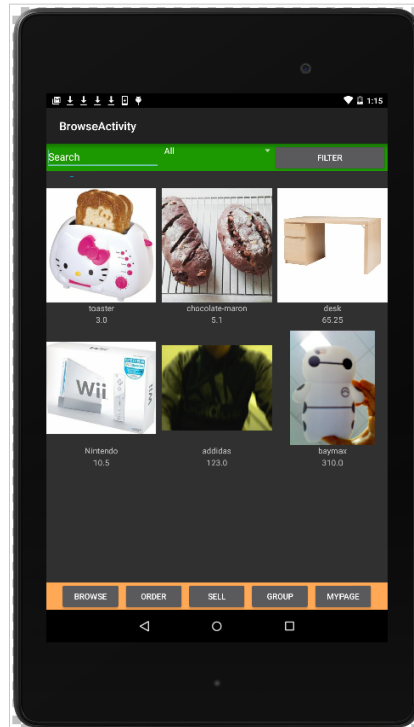


→

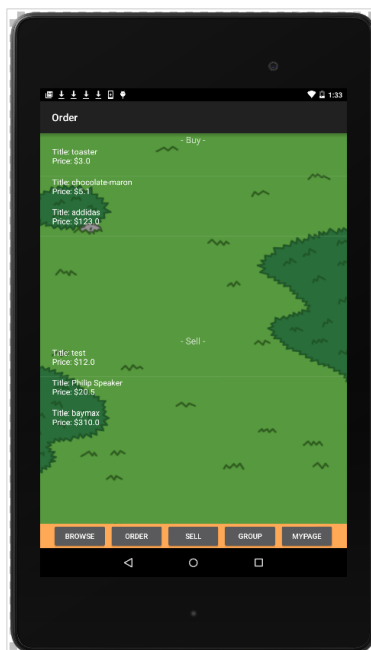


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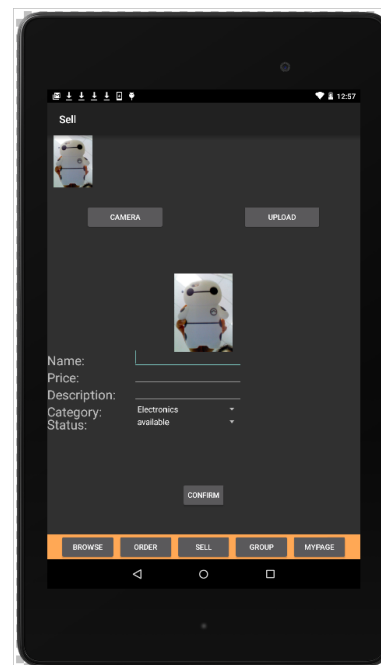




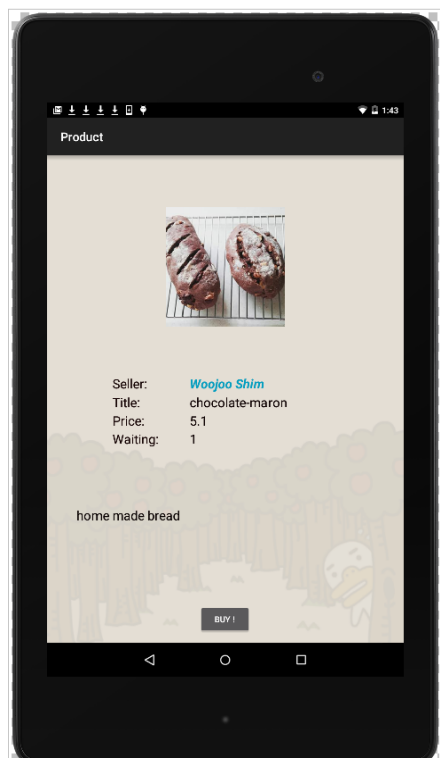
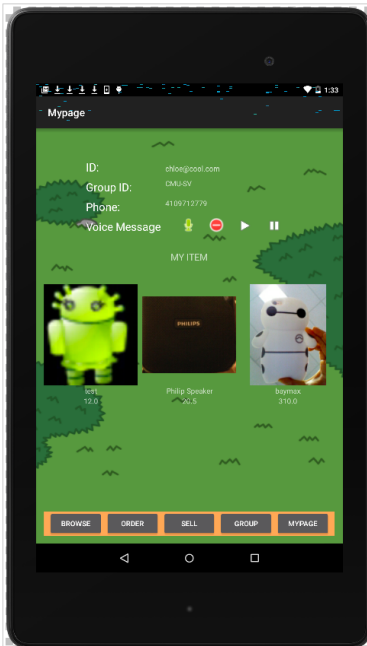
Click Buy! button from Product Activity will go to Order Activity



click sell button  
in the middle  
part of menu  
will redirect to —>

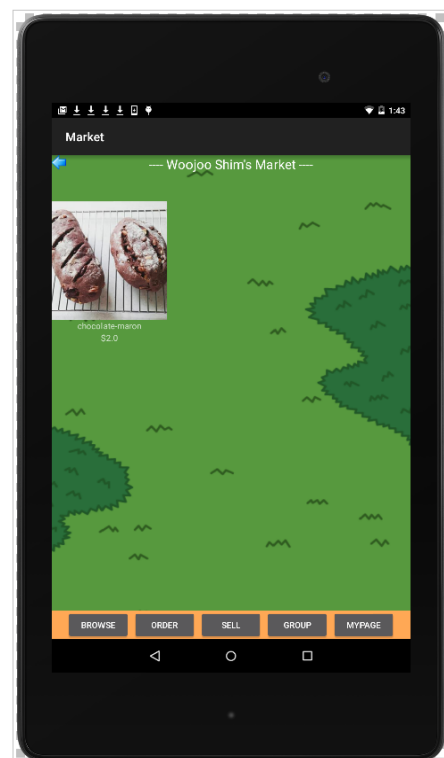


—> after uploading, will get redirected to my page



In product detailed page,  
clicking the seller will  
redirect to market page

—>



\*\*\* remote / local services \*\*\*

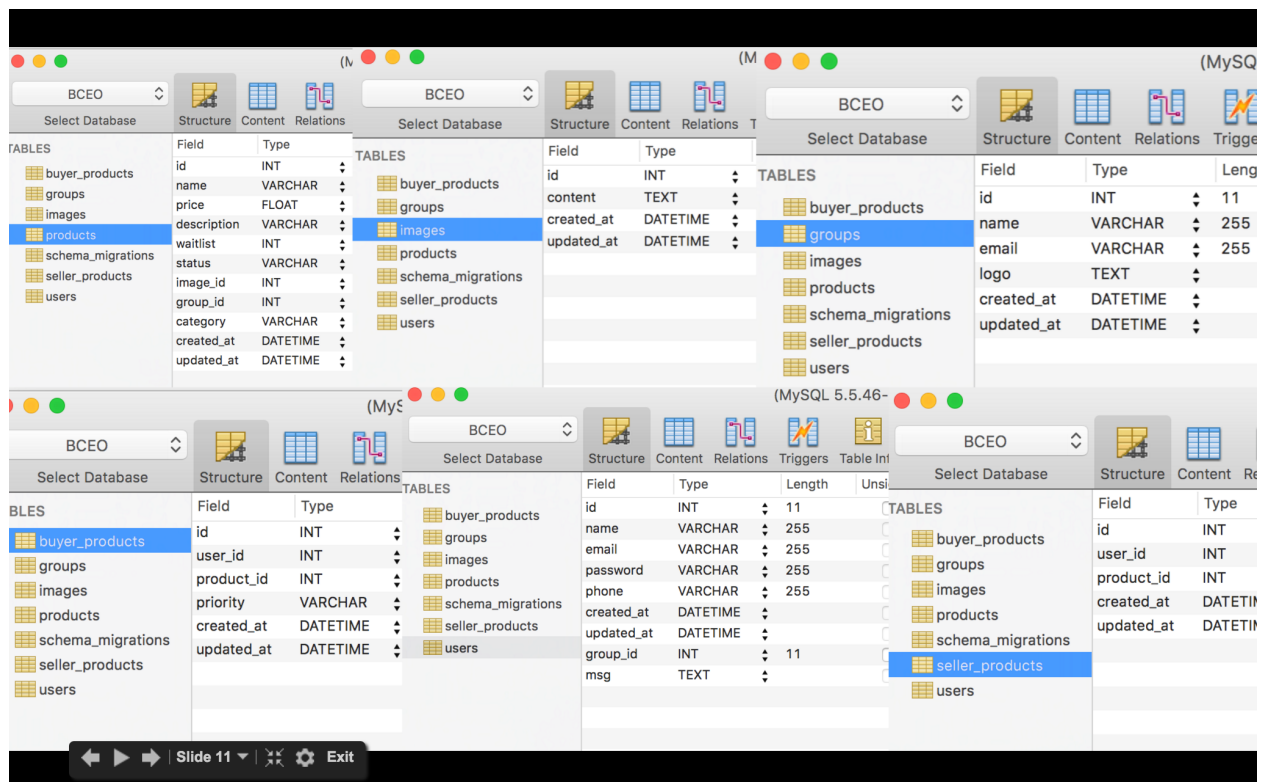
1. Remote: 52.34.169.54 with port 3000, AWS, MySQL database
  - 6 tables: User, Product, BuyerProduct, SellerProduct, Group, Images
  - urls used for..

- 1) sign in
- 2) sign up
- 3) get group (logo + domain)
- 4) send verification email
- 5) leave group
- 6) get all products (for particular group)
- 7) fetch all images (encoded in base64)
- 8) upload product
- 9) update buyer product relationship + priority for buy! button
- 10) insert microphone recorded data
- 11) fetch order page (bought + selling)

2. Local:

- 2 tables: Product, Images
- (holding onto heavy ones only, which take lot of time when querying from remote overtime)

\*\*\* Database Schema \*\*\*



\*\*\*\* Exception Handling / Self-Healing \*\*\*\*

1. Sign in + Sign up -> Requires valid form of email, password. It will make toast and require user to input again (See Test Document for screen shots)
2. Group -> Attempt to leave group user is not part of (due to not refreshing + cacheing), toast will pop up and require user to refresh with the refresh button again
3. Sell -> Attempt to upload without picture or not selecting specific picture will make toast and require user to select the photo.