**System and Unit Test Report**

**Meme Feed**

**Team Meme**

**Revision 0**

Sprint 1:

(1) As developers, we want to have a firebase storage system to store information of user accounts and memes. **(1)**

(2) As a User, I want to be able to create and log into an account with my information **(21)**

(3) As a developer, I want to be able to scrape the web to find memes. **(15)**

(4) As a user, I want a General Feed page to see all of the memes in chronological order. **(8)**

(5) As a user, I want the General Feed page to have two different views so that I can view at a different pace **(18)**

**Scenario:**

(1) N/A

(2) Start app and:

* Click the “sign-up” link and do the following
  + Email= “youremail.gmail”
  + Name= “your name”
  + Username= “username”
  + Password= “password”
  + Password confirmation= “password”
* Verify user is in firebase and fields are correct
* Go to application and go to login page
  + Email= “youremail.gmail”
  + Password= “password”
* Verify logged in
* Repeat but with mismatching passwords and verify login and signup fail.

(3) Verify Memes are in firebase after web scraping:

* Print the URL’s, filenames, and other information of all memes pulled
* Verify that that information is in firebase

(4) Start app and:

* Login
* Check that you are being navigated to general feed page
* Verify that there is content on the page
* Cross check with firebase to see if that content is ordered

(5) Start app and:

* Login
* Check that you are being navigated to general feed page
* Verify that you can change views using a button and that view changes but meme order does not

Sprint 2:

(1)-(5) previous user stories

(6) As a user I want to be able to like and dislike memes on scale of emojis **(23)**

(7) As a User, I want my own account page where people can see the memes I like (personal user page) **(20)**

**Scenario:**

(6) Start app and:

* Login
  + Email= “youremail.gmail”
  + Password= “password”
* View a meme on List View
* Look to see if there is a button bar
* Click and unclick the different reactions, verify the shading is correct
* Refresh to see if proper shading is maintained on that meme (aka your like is stored)
* Check that react is properly stored in firebase, (proper doc id, ranking, and name)
* Repeat but view tile in Grid View

(7) Start app and:

* Login
  + Email= “youremail.gmail”
  + Password= “password”
* View a meme on List View and on Grid View
* Rank 5 memes for each possible ranking
* Visit profile tab,
* Verify the memes ranked 3,4,and 5 are present on list view
* Verify the memes ranked 3,4,and 5 are present on grid view

Sprint 3:

(1) As a user, I want to be able to see a Friend Feed which displays memes my friends liked. **(14)**

(2) As a User, I want to visit a user’s page so I can see my only friends posts **(14)**

(3) As a User, I want to be able to be able to follow with people so I can see the memes they post **(7)**

(4) As a User, I want to be able search and look up someone else’s page, to see only their content **(16)**

(5) As a User, I want to comment on posts to share my opinion on them. **(16)**

**Scenario:**

(1) Start app and:

* Login
* Check that you are being navigated to friend feed page
* Verify that there is content on the page
* Cross check with firebase to see if that content is ordered

(2) Open App with navigation set to friend page:

* Verify that it has the Users information and liked memes
* Verified the above information is consistent with firebase

(3) Start app and:

* Login
* Check that you are being navigated to friend feed page
* Navigate to a User Page
* Follow that User
* Verify in firebase that both users docs have been updated

(4) Start app and:

* Login
* Check that you are being navigated to friend feed page
* Navigate to general feed
* Using the search bar, enter another Users name
* Check that clicking a result brings you to that user
* Verify that that the users information and memes are on the page

(5) Start app and:

* Login
* Check that you are being navigated to friend feed page
* Check each Tile on the page for a comment bar
* Verify that any input into the comment page shows up in firebase and on the app

Sprint 4:

(1)-(2)previous user stories

(3) As a user I want to be able to see where a user found a photo they liked **(8)**

(4) As a user I want comments to be intuitive and easy to navigate so that way the app is easy to use **(8)**

(5) As a user I want the ability to click on a meme in grid view and be shown all the information about the meme in order to react and better interact with it **(6)**

(6) As a user I want to have a visually pleasing user profile so that way it is easy to use **(4)**

(7) As a user I want to be able to get to another user’s profile without searching them in order to make the use of the app more intuitive **(2)**

(8) As a user I want my profile to reflect my likes so that way I can see the memes I have already liked **(1)**

(9) As a developer I want to have better use of modularity to reduce technical debt **(12)**

(10) As a user I want to ensure I have a wide variety of current memes in order to have relevant funny content **(6)**

**Scenario:**

(1) Start app and:

* Login
  + username=”[your.email@gmail.com](mailto:your.email@gmail.com)”
  + password=”password”
* Test search functionality
  + Navigate to HomePage
  + Search for user “Mia” to ensure searching works via “name” field in Firebase
  + Search for “J” to ensure all users whose “name” field starts with J or “username” field starts with J show up in results
  + Search for a username which doesn’t exist to ensure the user
  + Search “j” and ensure results are the same as “J” (non-case sensitive)

(3) Start app

* Navigate to Home Feed
  + Ensure that a specific meme is on the Reacts of the user in question
  + Ensure that I am following that user
  + Ensure that the subreddit source is consistent with what is in Firebase
* Navigate to Profile
  + View a meme we have liked
  + Ensure all previous tests hold

(4) Start app and:

* On the Home Feed in List View, ensure the most recent comments are loaded
* When the comment button is clicked, ensure all comments are loaded in the Single view.
* From Single view:
  + When the username associated with a comment is clicked, ensure we can navigate to the Profile of that user
  + When we want to comment on the meme, ensure that
    - An empty comment can’t be posted
    - When posted, the username is associated with me
    - When posted, the comments section is updated with my comment
    - Other users can also see my comment

(5) Start app and:

* Login
* Check that you are being navigated to friend feed page
* Navigate to general feed
* Check that clicking a tile brings you to the tile page with all information about the meme

(7) Start app and:

* Login
* Check that you are being navigated to friend feed page
* Navigate to general feed
* Using the search bar, enter another Users name
* Check that clicking a result brings you to that user
* Verify that that the users information and memes are on the page

(8) Start app and:

* Login
* Check that you are being navigated to friend feed page
* Navigate to profile page
* Verify that there is content on the page
* Cross check with firebase to see if that content is ordered

(10) Uncompleted