Changes made for HW3

Design (CSS)

- nav dropdown menu aligned to right on collapse (reason: less cursor movement)
- star rating smaller, more clean
- Positioning bugs, fixed
- Instead of using numbered pages, only next and previous buttons used.
- User may sort using newest, oldest, or average rating.

Function (JavaScript)

- Script to create meme areas recursively
- Read and write to database
- Rating function implemented using jquery
- Grid view and Thumbnail view changes without reloading new page
- URL address verification
- Image preview appears on valid content
- Create memes utilize third party feature and extension functionality
- Sorting function

DataBase

- Database created using Firebase
- Using database javascript API to pull information to and from the browser
- When model changes, the website is to act appropriately to those changes such as:
 - Saving image
 - Changing image details
 - Deleting images

Etc (Extension and etc)

- Extension is added in github/extension folder (installation direction in readme file)
- Usage
 - Right click on non-image area will open Meme master page
 - o Right click on image, it will open up form to save it to Meme master DB

Improvements could have been made

- Draw meme algorithm could have been improved by drawing first grid boxes before
 querying from DB to improve user experience. But It was close to product deadline so we
 decided not to risk the functionality of the application.
- Categories and search bar hasn't been implemented due to time constraint. We focused on main functionality

Walkthrough:

Important: User may enjoy the full experience of the website if the user decides to use together with the website's google extension.

- Save Meme using URL link

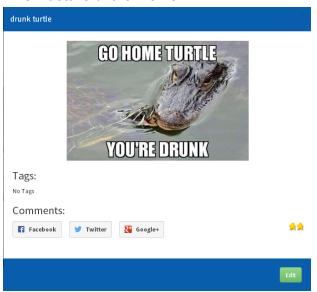


- Image URL will be verified, and once it has a valid source, preview will show below rating section of the form
- Title and comments have length limitation
- User can choose rate of the image
- Create Meme (using 3rd party site)



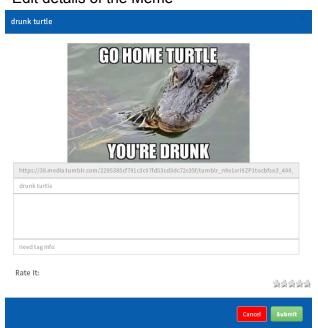
- We could not implement full functioning photo editor.
- Instead user can add generated meme using our extension

- View details of the Meme



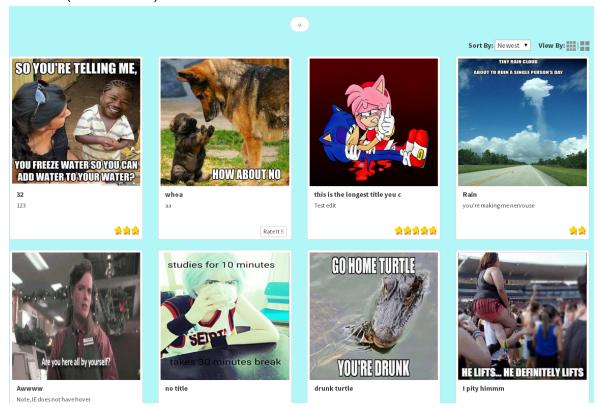
- When user clicks on the image from main page, detail page will show up
- User can share image (link) to social networks
- Edit button will switch to edit mode

- Edit details of the Meme



- User can edit image details
- · Cancelling will switch back to view mode

- Grid view (shows detail)



- Thumbnail view

