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CSE 134B - Homework 1
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This document provides an overview of a potential web-application that is going to be designed and implemented in the scope of the course CSE 134B (Winter 2017) taught by the instructor Professor Thomas Powell.

Executive Summary

The proposed web-application titled: “**Marvel-dex**” provides users with an interactive application that allows them to learn about, discuss, and review characters from all over the Marvel Universe. This application solves the issue of avid Marvel enthusiasts not having a place to talk about, debate, and express their thoughts and artistic creations with each other, in a convenient yet lively manner.

Motivation:

- Since superhero movies and tv shows are increasing in popularity in the recent years, we realized there should be an application that could serve as a medium where people learn more and discuss about said heroes.
- It can get hectic for the user to access different sites for rating and critiquing, discussing, or learning about certain superheroes, so we decided to build an application that brings that all in together so the user can access the aforementioned features in one place ...

Features:

- A rating system for the superheroes
- Discussion thread for characters and movies
- Visualize and add favorite scenes/images of said hero
- Background information about characters
- Customized user profile that shows which characters user has and needs to unlocked, posts user has contributed to/liked.
- Users can make personal posts, public or private
- Shows overall rating of each character

Users

The categories of users for the proposed web-application are:

1. **Recent Marvel movie-goers**

Recent marvel movie-goers would enjoy and make great use of this app because it provides them with a source to express their thoughts and feelings immediately after watching the movie. Many times, after a good or enthralling movie, movie-goers will be

especially passionate and/or curious about the characters that they just watched. Since movies are only two hours there is only so much backstory and information that can be provided. This application provides users with the opportunity to learn and discuss in-depth about Marvel characters in one central location.

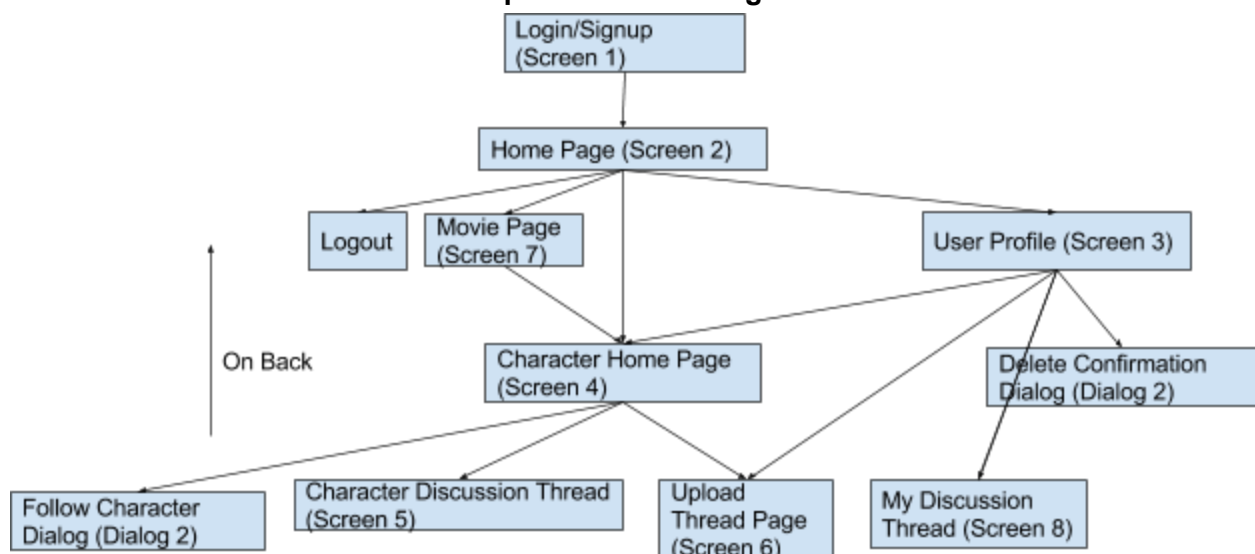
Also users may want to discuss controversial or exciting parts of the movies with others. They can do this in person or make posts on social media, but this application provides these users with a specific audience of Marvel enthusiasts who are just as passionate about them.

2. Dedicated Marvel fans/Artists Interested in Marvel

Dedicated Marvel fans and artists would be able to use their imagination freely to create fan fictions, posts and provide their own perspective on the characters. Artists can post their own sketches, pictures, portraits of their favorite characters on the discussion thread.

Marvel fans and artists alike can follow certain posts and create their own to contribute to the popularity of their favorite characters.

Sample flow-chart diagram



Sample Screens and Wireframes

Screen 1

← → ↻ <http://marvel-dex/login>

Marvel-dex

Login:

Username

Password

Login

Sign - up

Username

Email

Password

Confirm Password

Sign Up

Screen 2

← → ↻ <http://marvel-dex.com/MyCommunity>

LOGOUT

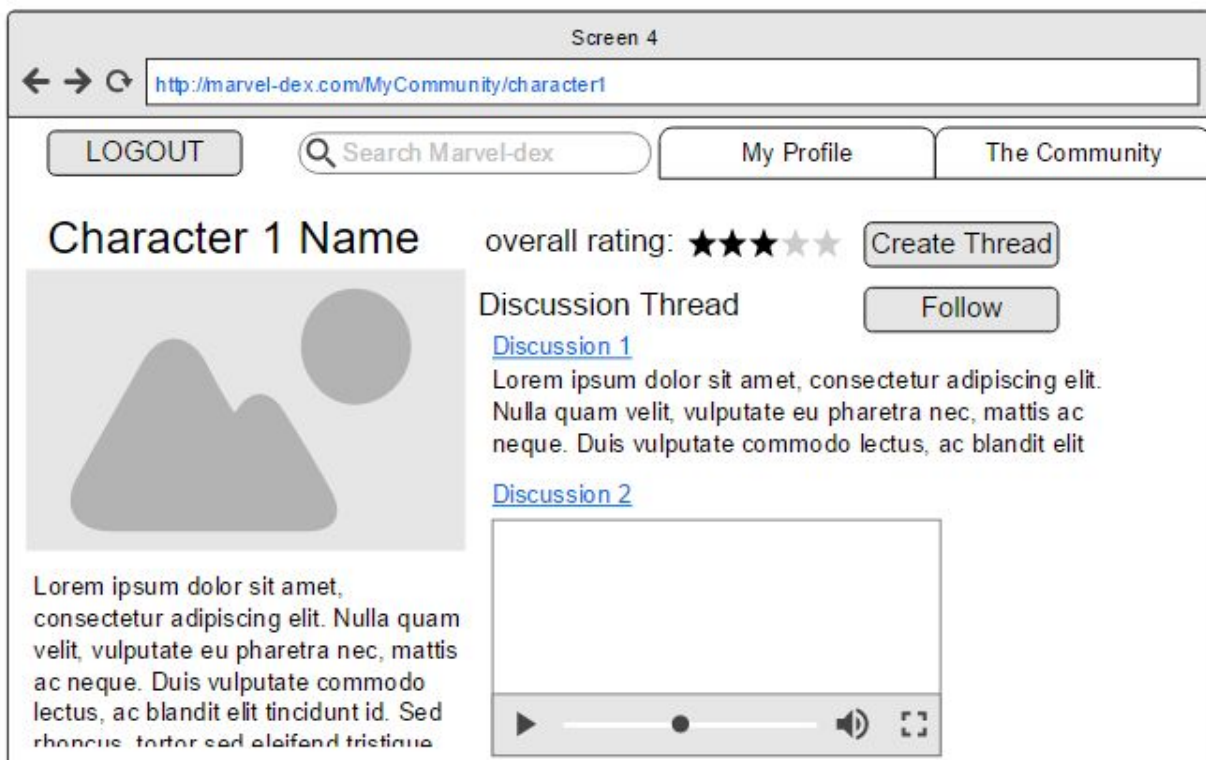
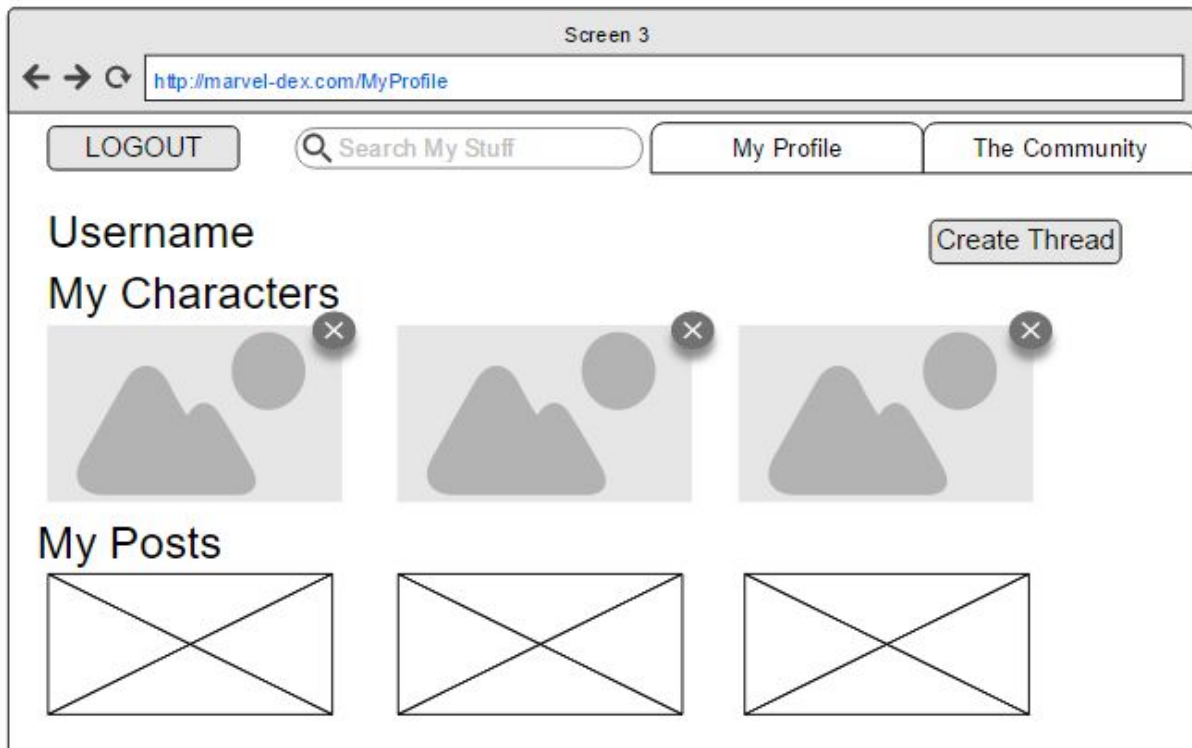
🔍 Search Marvel-dex

My Profile

The Community

All Characters

All Movies



Screen 5

[←](#)
[→](#)
[↻](#)

[LOGOUT](#)

[My Profile](#)
[The Community](#)

Character 1 Discussion 1



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla quam velit, vulputate eu pharetra nec, mattis ac neque. Duis vulputate commodo lectus, ac blandit elit tincidunt id. Sed rhoncus, tortor sed eleifend tristique, tortor mauris molestie elit, et lacinia ipsum quam nec dui. Quisque nec mauris sit amet elit iaculis pretium sit amet quis magna. Aenean velit odio, elementum in tempus ut, vehicula eu diam. Pellentesque rhoncus aliquam mattis. Ut vulputate eros sed felis sodales nec vulputate justo hendrerit. Vivamus varius pretium ligula, a aliquam odio euismod sit amet. Quisque laoreet sem sit amet orci ullamcorper at ultricies metus viverra. Pellentesque arcu mauris, malesuada quis ornare accumsan, blandit sed diam.

 Follow

Screen 6

[←](#)
[→](#)
[↻](#)

[LOGOUT](#)

[My Profile](#)
[The Community](#)

Post Name:

Upload Image:

Link Video:

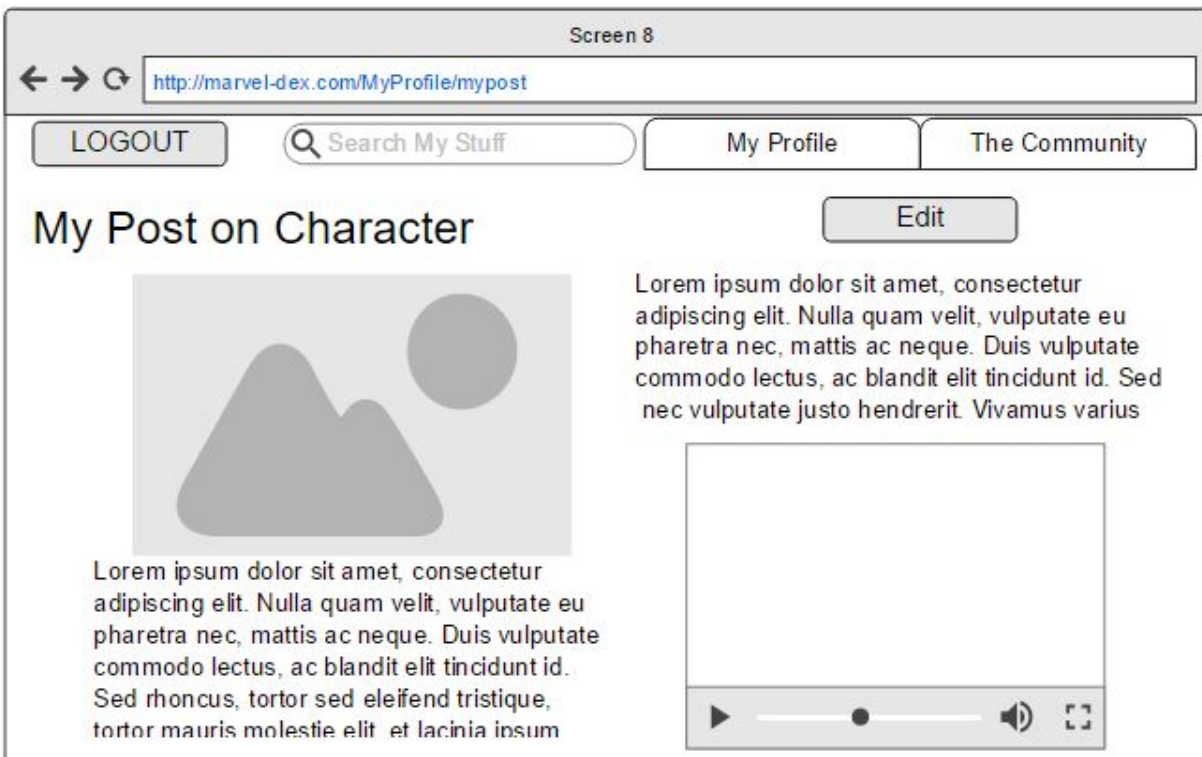
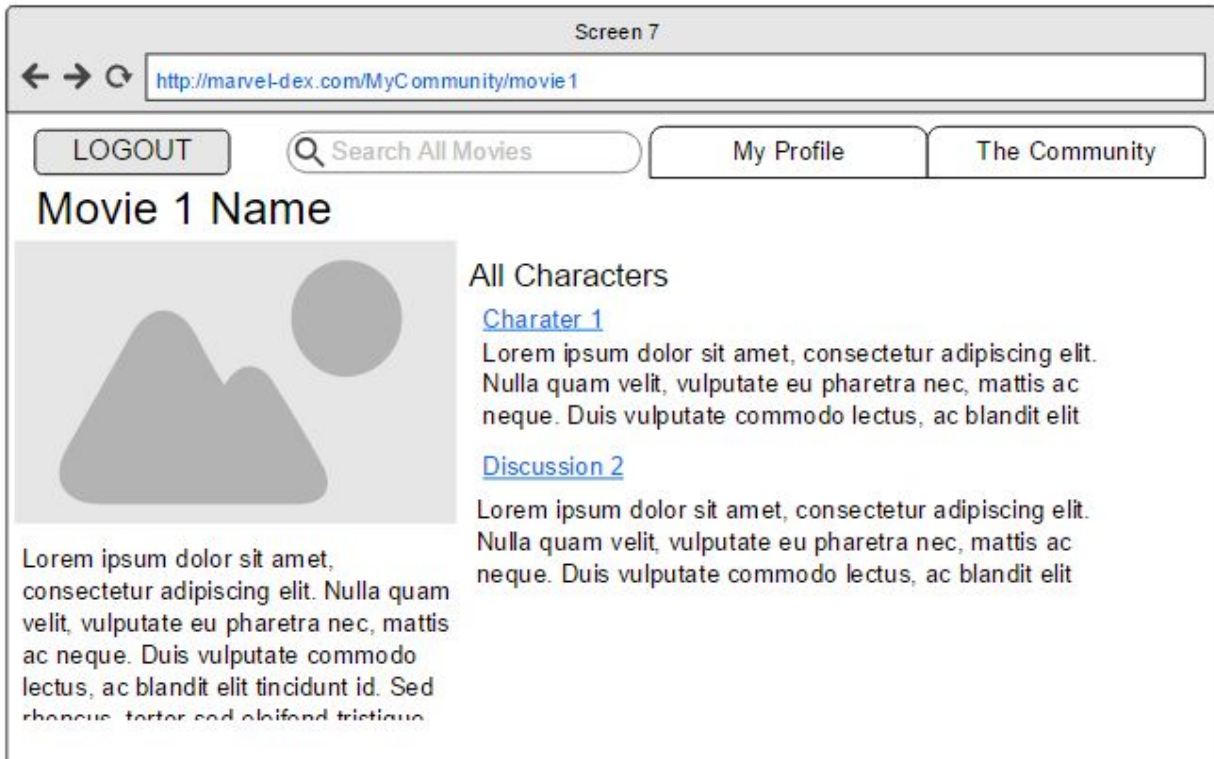
Text:

My Rating :

Movie Tag:

Post Privacy:

☒ Public
 ☐ Private



Dialogue 1



Dialogue 1 is a confirmation dialog box. It has a title bar that says "Dialogue 1". The main content area contains the text "Delete?" in a large, bold font. Below the text are two buttons: "Yes" and "No".

Dialogue 2



Dialogue 2 is a confirmation dialog box. It has a title bar that says "Dialogue 2". The main content area contains the text "Follow?" in a large, bold font. Below the text are two buttons: "Yes" and "No".

Strength/Weakness/Risks/Execution

1. Strength

- Personalized ability to track and view content related to individual Marvel characters/movies
- One stop access to a variety of media relating to Marvel characters
- Supports text, video, and image content uploads from users.

2. Weakness

- Lack of integration with any existing account services. Users must spend time to create a new account.
- There are other sites to upload fan content related to Marvel characters (e.g. Reddit, DeviantArt)
- Most of the media will be user-submitted, which means the quality and content will be largely decided by users.
- May be confusing to deal with several different iterations and timelines for the Marvel characters. There may be

3. Risks

- Users may upload objectionable or inappropriate content.
- Storage may become an issue with increasing amounts of user uploads.
- Each user's account storage space is limited depending upon how many users there are.
- The limit to the size of the uploads that each user can do (the size of each upload)
- Website uptime may be compromised by our third party solutions
- May be subject to copyright issues from Marvel and other related IP owners

4. Execution

- Using Firebase for backend infrastructure, which allows for notifications.
- Developing a CRUD web-application..
- Web-app will be coded in HTML, CSS, and JavaScript following future assignment guidelines.