bulletin'

Product Backlog
Team 19

Problem Statement

For students looking for clubs and events to participate in, it is unlikely that they will look at all flyers on a bulletin board and be informed of all current extracurriculars. To solve this problem, we will create a web application that contains all events within the university, their information, dates, and image of the poster. Users can see the events on a daily, weekly, and monthly time scale, able to click on any one to learn further information.

Background Information

Historically, bulletin boards have been the center of conveniently finding information for campus activities. In modern life, the convenience has become web-based services, but none have yet recreated the beautiful simplicity of a traditional bulletin board. Bulletin' will provide a portable, easy-access to this source of information.

Environment

We will use HTML, CSS, ReactJS/VueJS for the front end, NodeJS for the backend, and MongoDB for the database.

Functional Requirements

Backlog Id	Functional Requirement	Hours	Sprint
1	As a user, I would like to sign up for an account on Bulletin	4	1
2	As a user, I would like to be able to sign in to Bulletin	3	1
3	As a user, I would like to be able to create a flyer	3	1

4	As a user, I would like to be able to view others flyers	4	1
5	As an admin, I would like to be able to remove any flyer.	3	1
6	As a user, I would like to be able to filter calendar view by day, week, and month	4	2
7	As a user, I would like to be able to flag flyers that I find inappropriate	4	2
8	As a user, I would like to share flyers on Facebook	4	2
9	As a user, I would like to see more info of the flyer when I click on it.	4	2
10	As a user, I would like to be able to filter flyers to only see collected flyers	4	2
11	As a user, I would like a system that automatically removes commonly flagged flyers	3	2
12	As a user, I would like to be able to collect a flyer.	7	2
13	As a user, I'd like to change my password.	10	2
14	As a user, I would like to remove my own flyer	5	1
15	As a user, I would like to reset my password.	4	1
	Total:	66	

Non-Functional Requirements

Backlog Id	Non-Functional Requirement	Hours	Sprint
1	As a developer, I want to learn how to use NodeJs	20	1
2	As a user, I would like my personal information to remain secure and private.	8	2
3	As a developer, I want the application to be robust	8	2
4	As a developer, I want to learn how to use MongoDB	7	1
5	As a developer, I want to learn how to use ReactJS/VueJS	20	1
	Total:	63	

Use Cases

Case: Sign-up

Action
1. Click sign-up button
3. Input credentials

System Response
2. Open sign-up page
4. Verify credentials
5. Login user
6. Open home page

Case: Login

Action
1. Click login button
3. Input credentials

System Response
2. Open login page
4. Login user
5. Open home page

Case: Post a Flyer

Action
1. Click post button
3. Input credentials

System Response
2. Opens create flyer page
4. Verify

Case: View Flyer

Action
1. Select flyer

System Response
2. Retrieves flyer info
3. Populates flyer page
4. Opens view flyer page

Case: Remove Flyer

Action
1. Select flyer to remove
3. Confirm deletion

System Response
2. Request confirmation
4. Remove flyer from DB
5. Refresh page

Case: Filter Calendar View

Action

System Response

1. Select filter style
2. Confirm selection

3. Refine flyer list
4. Refresh page

Case: Flag Flyer

Action

1. Select flag icon on flyer

3. Select a reason

System Response

2. Popup of flag appropriate reasons appear

4 Flyer flag count goes up
5. Flyer is marked as flagged

Case: Facebook sharing

Action

1. Click on "share on Facebook"
3. Click on "share on Twitter"

System Response

2. Post on user's facebook
4. Post on user's twitter

Case: See More Info

Action

1. Click on flyer info icon

System Response

2. Pop up of flyer's detailed info

Case: See Only Collected Flyers

Action

1. Click on "collected" tab in filter menu

System Response

2. Shows "collected" flyers
3. Refreshes page

Case: Change Password : Scott

Action

1. Click Settings Button
3. Click "Change Password" Link
5. Enter New Password Twice
6. Click "Change Password" Button

System Response

2. Show Settings Page
4. Show Proper Page

Case: Remove Own Flyer

Action

System Response

1. Click on "delete" icon	2. Removes selected flyer

Case: Reset Password : Scott

Action	**System Response**
1. Click Login Button	2. Show Login Page
3. Click "Forgot Password" Button	4. Send email with new password