

# **CAPSTONE PROJECT**

## **Desktop based Messaging Engine** **Group 10**



# Updates & Functionalities added

Developing a desktop based app which incorporates messaging features.

- Signup/Login feature for new/existing users.
- Use a message delivery mechanism stores and forwards messages.
- Have used Firebase storage mechanism.
- Allows users to chat with people online.

# Technologies

Applications & Frameworks :

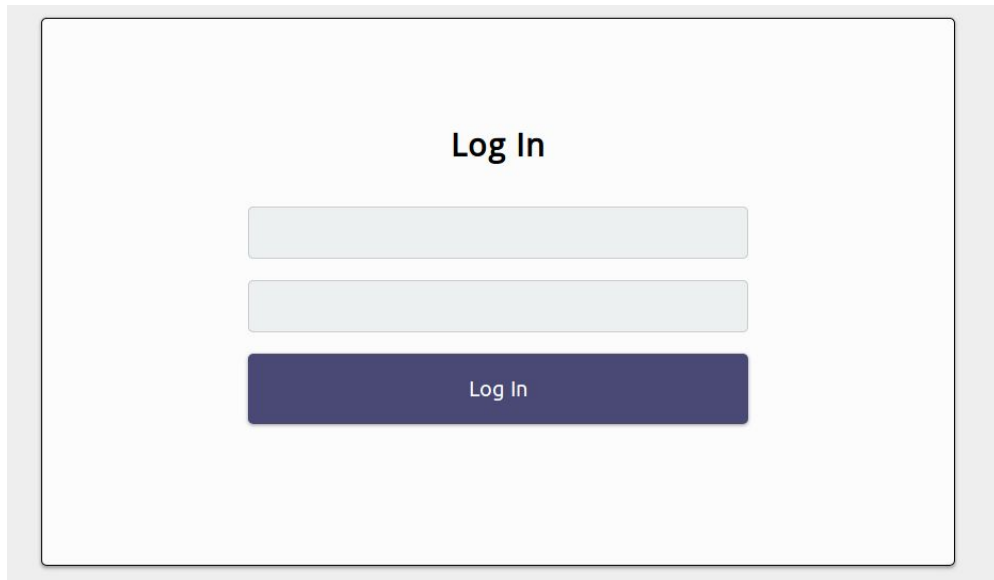
- Electron
- Angular, Angular-cli
- Npm
- NodeJs
- Firebase

Languages used :

1. TypeScript
2. HTML/CSS

# Work Done So Far

## Login Component



Log In

```
1 <div class="container">
2   <div class="loginCard">
3     <h2 class="heading">Log In</h2>
4     <input
5       [(ngModel)]="email"
6       type="email"
7       name="email"
8       class="formInput" />
9     <input type="password"
10      [(ngModel)]="password"
11      name="password"
12      class="formInput" />
13     <button class="btn"
14       id="btn-login"
15       (click)="login()">
16       Log In
17     </button>
18   </div>
19 </div>
20
```

# Work Done So Far

## Signup Component

### Sign Up

Email

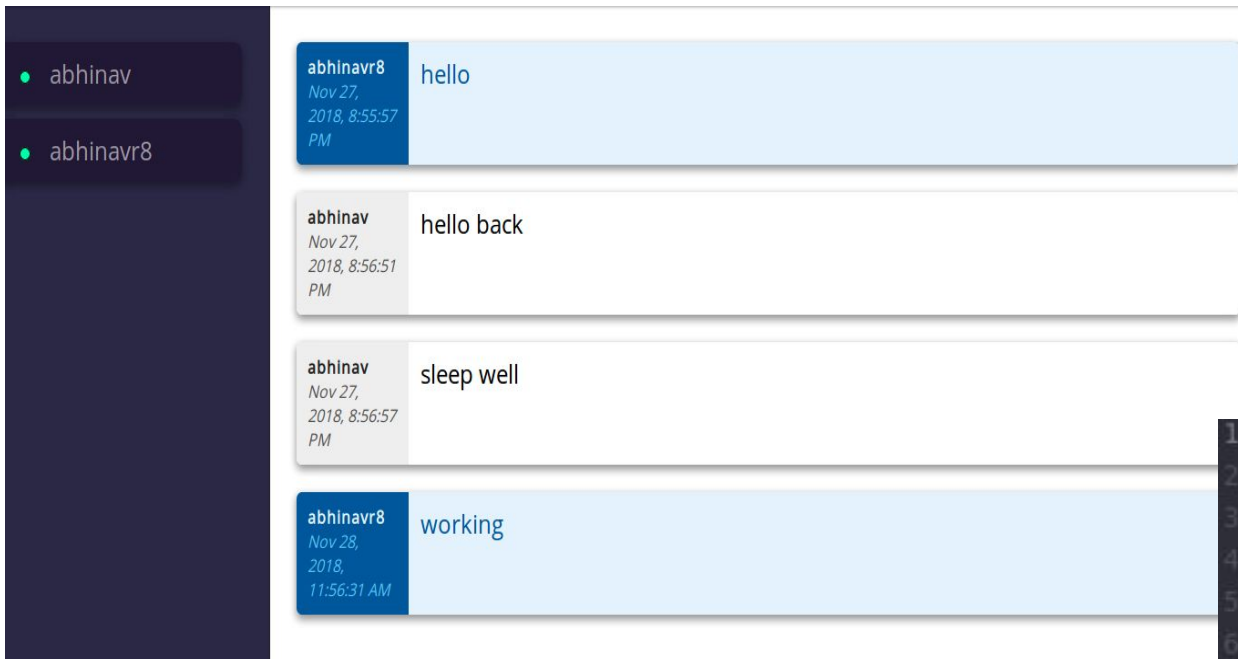
Password

Username

```
1 <div class="container">
2   <div class="signUpCard">
3     <form #signupForm="ngForm">
4       <h2 class="heading">Sign Up</h2>
5
6       <label class="label">Email</label>
7       <input
8         type="email" name="email"
9         placeholder="Enter your email address"
10        [(ngModel)]="email" class="formInput"
11        maxlength="60" required/>
12
13      <label class="label">Password</label>
14      <input
15        type="password" name="password"
16        placeholder="Choose a password"
17        [(ngModel)]="password" class="formInput"
18        required/>
19
20      <label class="label">Username</label>
21      <input
22        name="displayName"
23        placeholder="Enter a display name"
24        [(ngModel)]="displayName" class="formInput"
25        maxlength="12" required/>
26
27      <button [disabled]="!signupForm.form.valid"
28        type="submit" (click)="signUp()"
29        class="btn" id="btn-signUp">
30        Sign Up
31      </button>
32    </form>
33  </div>
34 </div>
35
```

# Work Done So Far

## Chatroom Component



The screenshot shows a chatroom component. On the left is a dark sidebar with a list of users: 'abhinav' and 'abhinavr8'. The main area displays a chat history with four messages:

- abhinavr8** (Nov 27, 2018, 8:55:57 PM): hello
- abhinav** (Nov 27, 2018, 8:56:51 PM): hello back
- abhinav** (Nov 27, 2018, 8:56:57 PM): sleep well
- abhinavr8** (Nov 28, 2018, 11:56:31 AM): working

```
1 export class User {  
2   uid?: string;  
3   email?: string;  
4   username?: string;  
5   displayName?: string;  
6   password?: string;  
7   status?: string;  
8 }  
9
```

```
1 export class ChatMessage {  
2   $key?: string;  
3   email?: string;  
4   userName?: string;  
5   message?: string;  
6   timeSent?: Date = new Date();  
7 }  
8
```

# Work Done So Far

## Zenhub Updates

capstone-chat-app ★  
Change Workspace >

Boards

Reports

Create...

Invite

View tutorials

Shortcuts

Open in web app

Repos (1/1) ▾

Labels ▾

Milestones ▾

Assignees ▾

Epics ▾

Releases ▾

Estimates ▾

Authors ▾

Find Issues (f+i)

New Issue +

3 Issues - 26 Story Points

New Issues

capstone-chat-app #4  
+2 Profile page  
Design Layout 2

5 enhancement

capstone-chat-app #7  
Create Services - Auth, Users, Alert  
Database models

13 enhancement

capstone-chat-app #10  
+2 Profile Pictures  
Design Layout 2

8 enhancement

3 Issues - 48 Story Points

Icebox

capstone-chat-app #6  
+2 Messaging System  
Filter by Epic Issues

40 Epic enhancement help wanted

capstone-chat-app #8  
+2 Google Authentication  
Design Layout 2

5 enhancement help wanted

capstone-chat-app #9  
Feedback System  
Design Layout 2

3 enhancement help wanted

3 Issues - 34 Story Points

In Progress

capstone-chat-app #3  
Connections page  
Design Layout 2

13 enhancement help wanted

capstone-chat-app #11  
Create User model  
Design Layout 2  
Messaging System

8 enhancement help wanted

capstone-chat-app #12  
Chat database model  
Database models  
Messaging System

13 enhancement help wanted

Review/QA

0 Issues - 0 Story Points

Backlog

0 Issues - 0 Story Points

1 Issue - 8 Story Points

Done

capstone-chat-app #5  
Add Signup and Login feature  
Database models

8 enhancement

2+ Issues - 7

Closed

capstone-chat-app #1  
Create Services - Auth, Users, Alert  
Database models

5 Epic

capstone-chat-app #2  
Home page  
Design Layout 2

2 help wanted

# Future Deliverables

Following features are planned to be implemented. Some of these may be added.

- Assign people to different chat-rooms and communicate within them.
- Show the current status of users, active/inactive.
- Dealing with multimedia messages with a common storing mechanism.
- Allow user to add profile pictures.
- Google Authentication.