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.
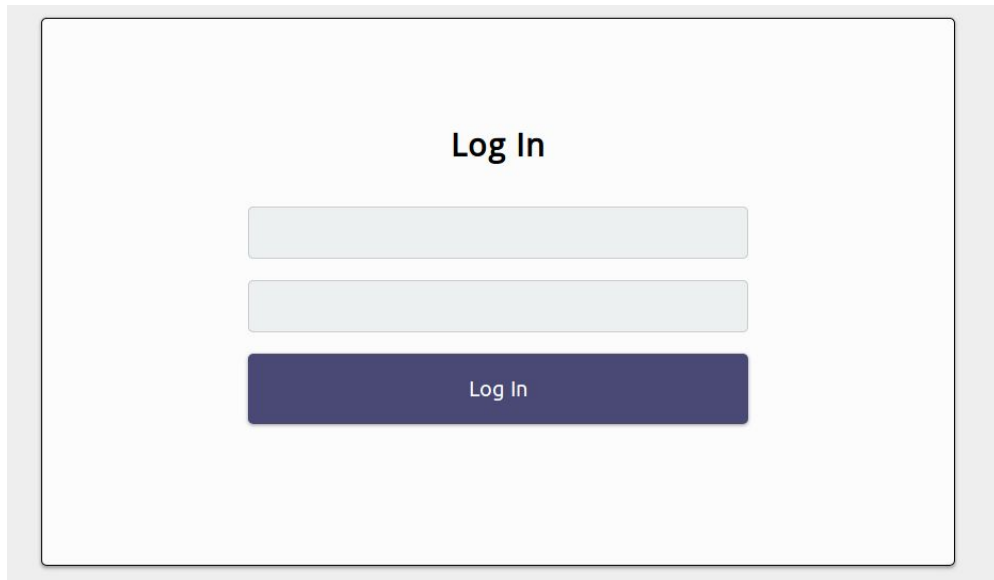
Technologies

Applications & Frameworks :

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

Languages used :

1. TypeScript
2. HTML/CSS

Work Done So Far

Login Component


```
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


```
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
```
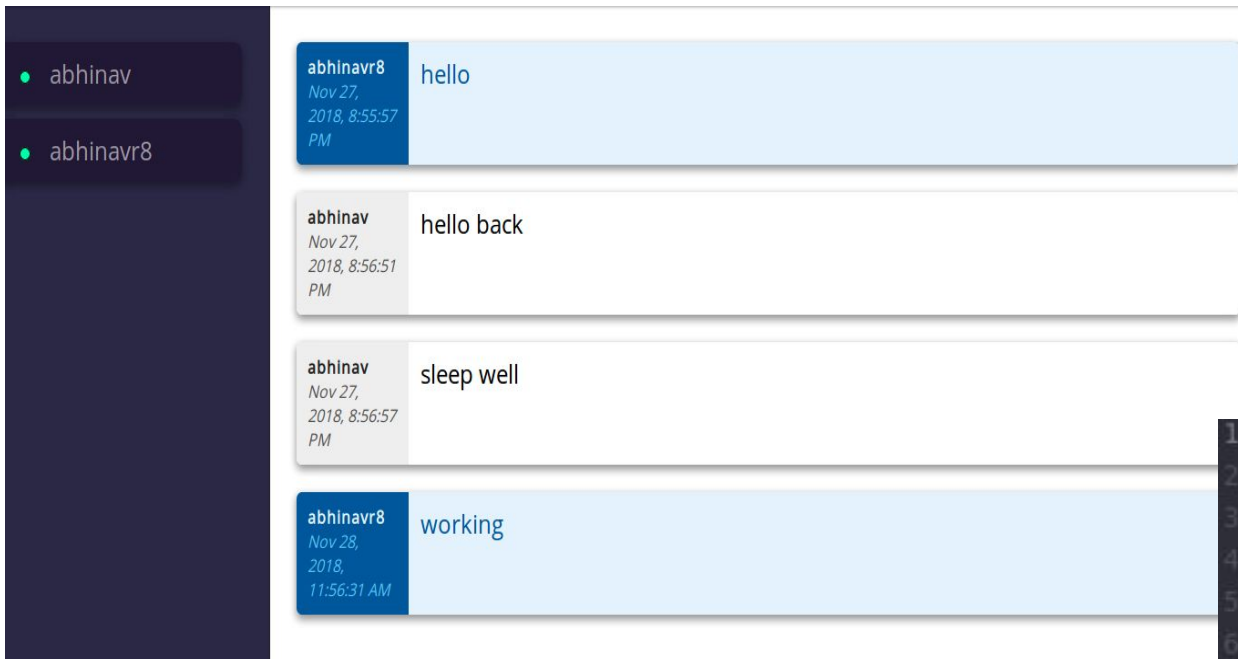
Work Done So Far

Chatroom Component

Work Done So Far

Zenhub Updates

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.