

CAPSTONE PROJECT

Web based Messaging Engine **Group 10**



Functionalities & Milestones

Developing a web based app which incorporates messaging features.

- Created new database model for FileUpload. Common storage mechanism for image storage. - 1/12/18
- Added ngx-bootstrap for designing layout, angularfire2 module for Firebase backend services such as storage, database and auth. - 21/11/18
- Allows users to chat with people online and communicate in different rooms. - 10/12/18
- Allow users to upload pictures. - 18/12/18

Technologies

Applications & Frameworks :

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

Languages used :

1. TypeScript
2. HTML/CSS

Work Done So Far

Login Component with Google Auth

Log In

Log In

Login with Google

```
<div class="container">
  <div class="loginCard">
    <h2 class="heading">Log In</h2>
    <input
      [(ngModel)]="email"
      type="email"
      name="email"
      class="formInput" />
    <input type="password"
      [(ngModel)]="password"
      name="password"
      class="formInput" />
    <button class="btn"
      id="btn-login"
      (click)="login()">
      Log In
    </button>
    <button type="button"
      class="btn btn-danger btn-block"
      (click)="tryGoogleLogin()">
      Login with Google
    </button>
  </div>
</div>
```

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

Upload File Component

```
export class FileUpload {  
  
  key: string;  
  name: string;  
  url: string;  
  file: File;  
  
  constructor(file: File) {  
    this.file = file;  
  }  
}
```

```
selectFile(event) {  
  const file = event.target.files.item(0);  
  
  if (file.type.match('image.*')) {  
    this.selectedFiles = event.target.files;  
  } else {  
    alert('invalid format!');  
  }  
}  
  
upload() {  
  const file = this.selectedFiles.item(0);  
  this.selectedFiles = undefined;  
  
  this.currentFileUpload = new FileUpload(file);  
  this.uploadService.pushFileToStorage(this.currentFileUpload, this.progress);  
}
```

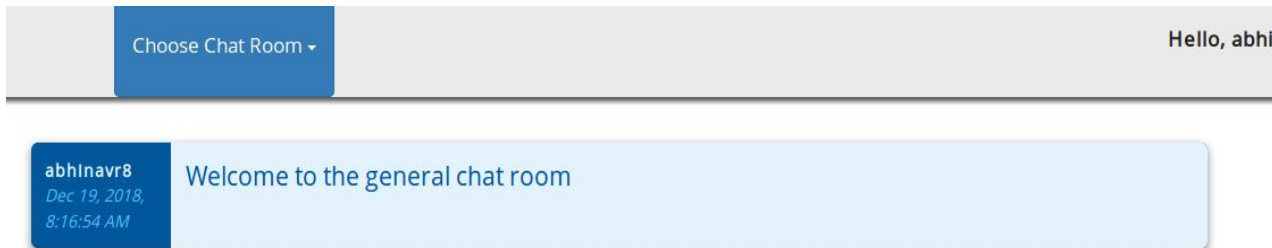
Browse...

No file selected.

Upload

Work Done So Far

Chatroom Component



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

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

Software Tools

Zenhub Updates

abhinavralhan / capstone-chat-app

Unwatch 2

Star 0

Fork 0

<> Code

Issues 10

Pull requests 0

ZenHub

Projects 0

Wiki

Insights

Settings

Repos (1/1)

Labels

Milestones

Assignees

Epics

Releases

Estimates

Authors

Find Issues (f+i)

1 Issue - 3 Story Points

In Progress

capstone-chat-app #9

Feedback System

Design Layout 2

3 enhancement help wanted

5 Issues - 79 Story Points

Review/QA

capstone-chat-app #3

Connections page

Design Layout 2

13 enhancement help wanted

capstone-chat-app #6

Messaging System

Filter by Epic Issues

40 Epic enhancement help wanted

capstone-chat-app #4

Profile page

Design Layout 2

5 enhancement

capstone-chat-app #7

Create Services - Auth, Users, Alert

Database models

13 enhancement

4 Issues - 34 Story Points

Done

capstone-chat-app #5

Add Signup and Login feature

Database models

8 enhancement

capstone-chat-app #8

Google Authentication

Design Layout 2

5 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

2+ Issues - 7 Story Points

Closed

capstone-chat-app #1

Create boilerplate for electron

Filter by Epic Issues

5 Epic

capstone-chat-app #2

Home page

Design Layout 1

2 help wanted

Load more issues...

Software Tools - Docker

```
abhinav@abhinavr8:~/Desktop/os/chatapp$ sudo docker run -p 4300:80 -i 70719cb7a576
> base-chat@0.0.0 start /usr/src/app
> ng serve

** NG Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **
Date: 2018-12-19T13:22:42.448Z
Hash: ea115947c5b08d0cfe4c
Time: 13633ms
chunk {inline} inline.bundle.js (inline) 5.79 kB [entry] [rendered]
chunk {main} main.bundle.js (main) 251 kB [initial] [rendered]
chunk {polyfills} polyfills.bundle.js (polyfills) 548 kB [initial] [rendered]
chunk {styles} styles.bundle.js (styles) 35.7 kB [initial] [rendered]
chunk {vendor} vendor.bundle.js (vendor) 24.2 MB [initial] [rendered]

webpack: Compiled successfully.
```

X-Powered-By: Express
Content-Type: text/html; charset=utf-8
Content-Length: 12
Date: Mon, 13 Nov 2017 20:53:59 GMT
Connection: keep-alive

We hope this tutorial helped you get up
Docker.

```
abhinav@abhinavr8:~/Desktop/os/chatapp$ sudo docker image ls
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
firstbuild/v2	latest	70719cb7a576	2 hours ago	1.34GB
chatapp2	latest	70719cb7a576	2 hours ago	1.34GB
chatapp	latest	70719cb7a576	2 hours ago	1.34GB
firstbuild	latest	70719cb7a576	2 hours ago	1.34GB
firstbuild	v2	70719cb7a576	2 hours ago	1.34GB