University Placement Portal
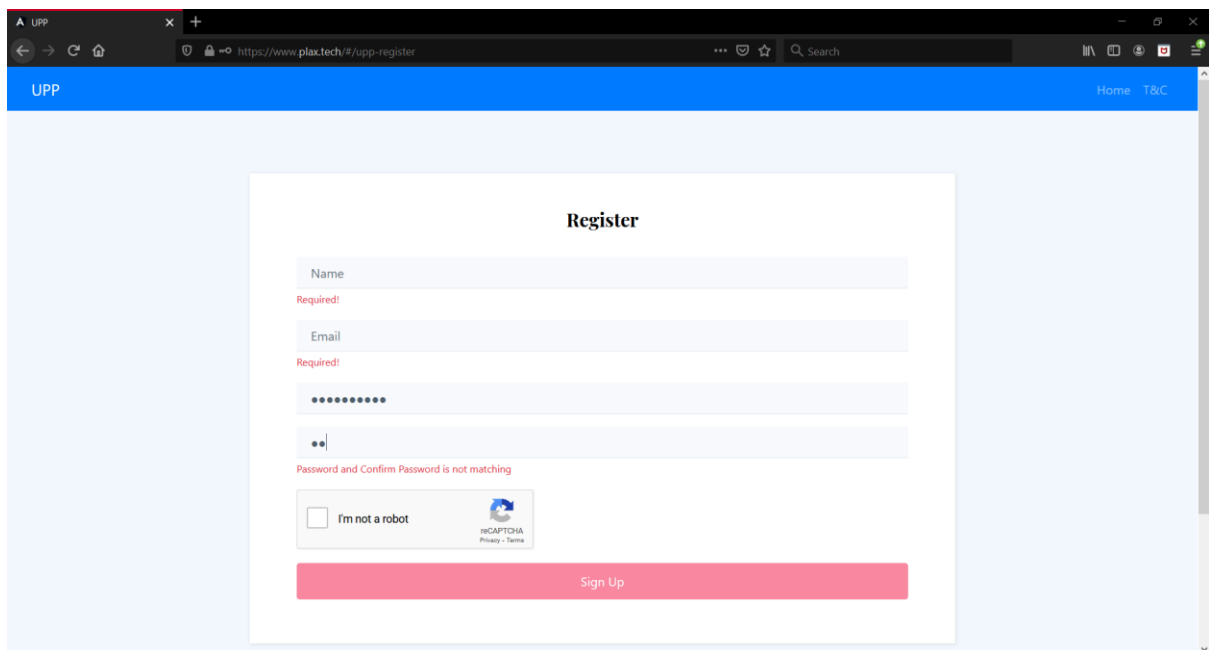
Team 1

User Module

- We're using token-based authentication and role-based authorization for our system.
- For token-based system, we're using JWT (JSON Web Token).
- For the password encryption we're using bcrypt module of Node.Js. The bcrypt module is used for hashing value as well as decoding. For example, here we can see the password is encrypted to respect user privacy and make system more secure.

```
_id: ObjectId("6013aebc45bfb40034b4ddff")
> roles: Array
  name: "Testing User"
  email: "test@test.com"
  password: "$2b$10$t.aviFX3/9sdGr3uWsUH2ugt/BMUM09prP7fo5uzthal5uyl2MVpu"
  __v: 0
```

Snapshots of implementation: -
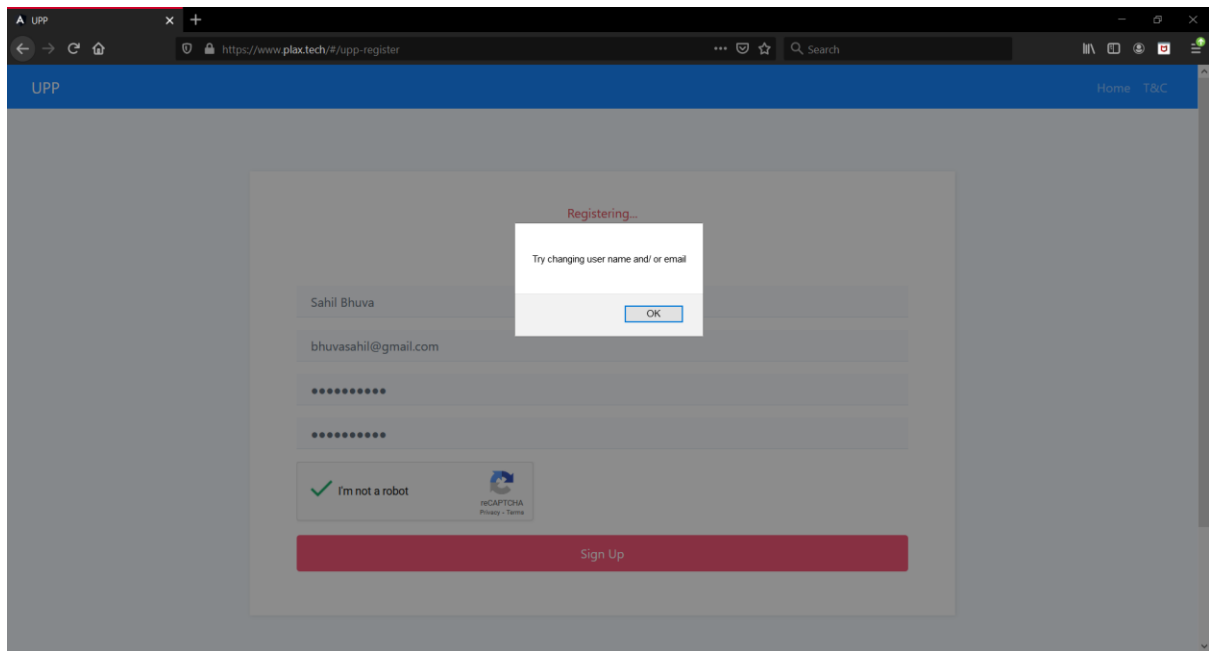

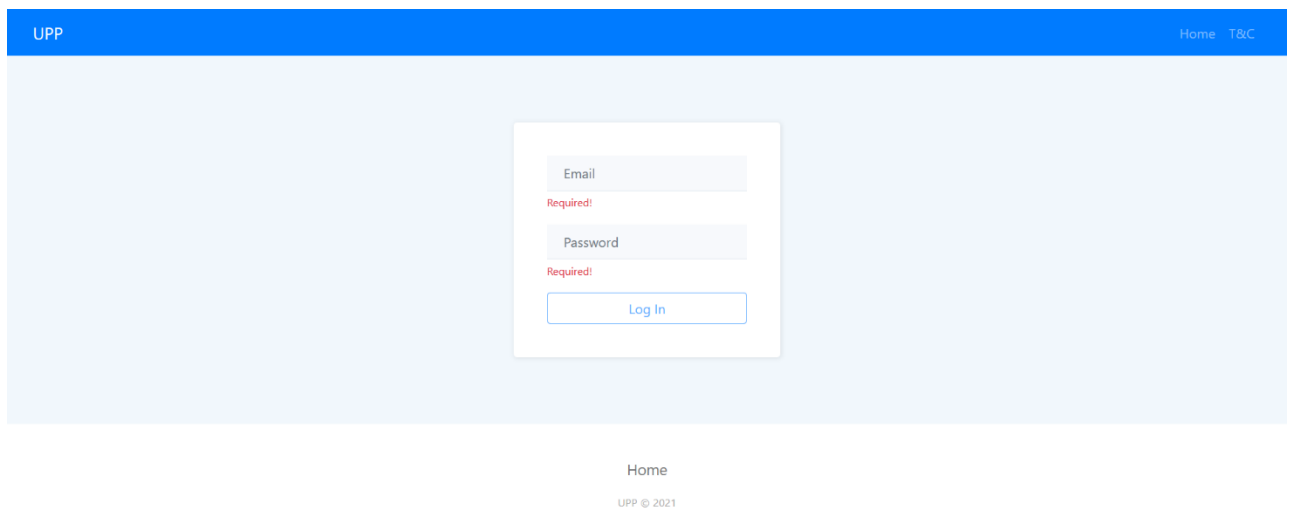Figure 1 Registration form validation

Figure 2 Pop-up alert
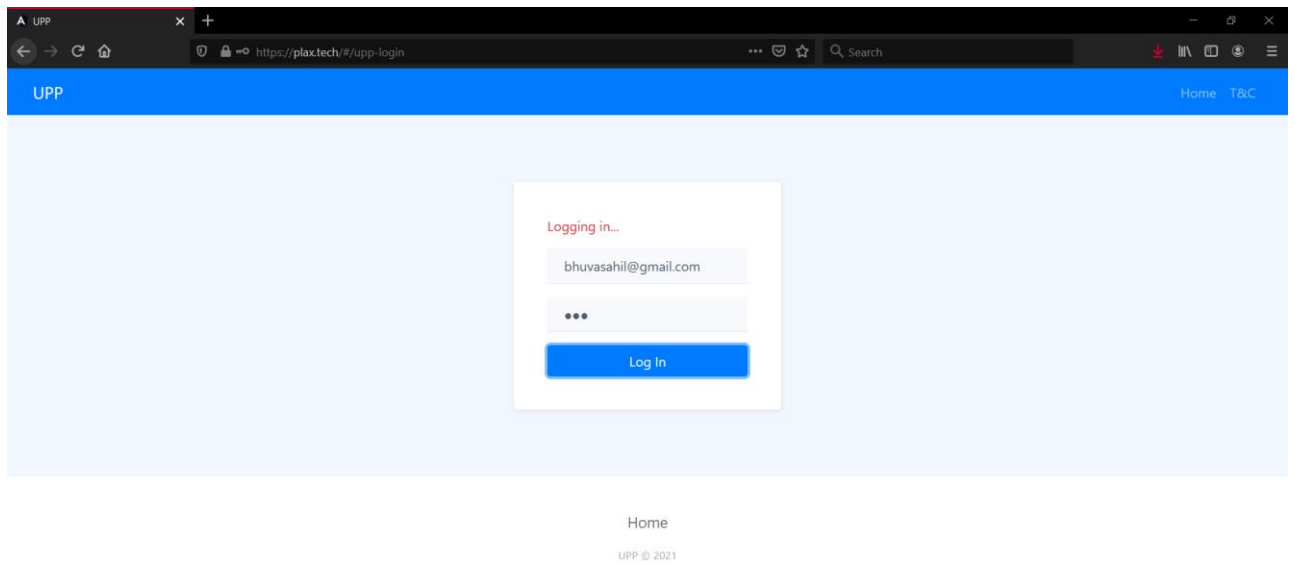

Figure 3 Login page validation
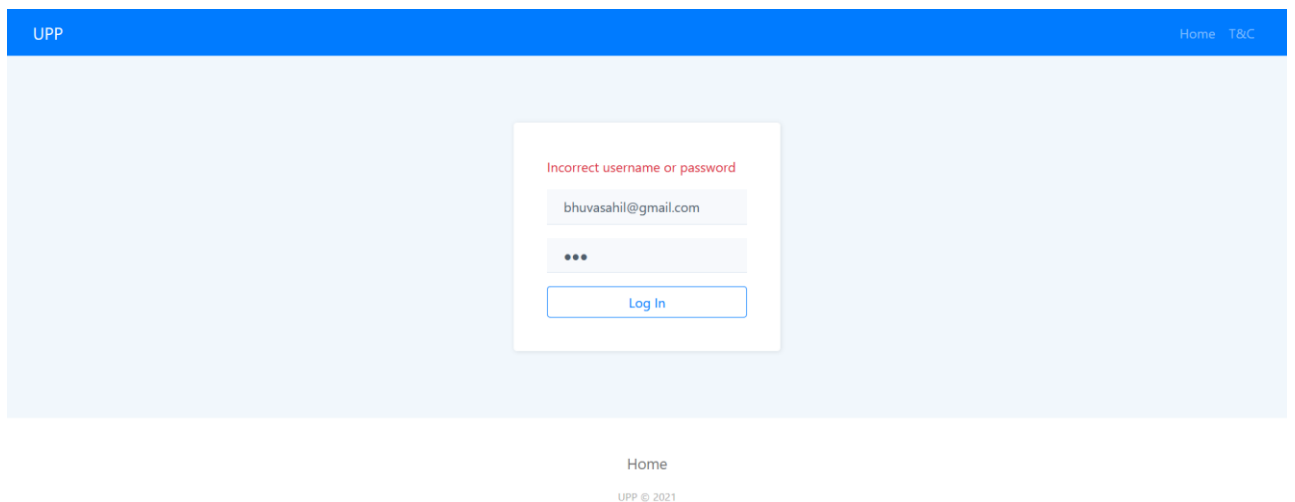
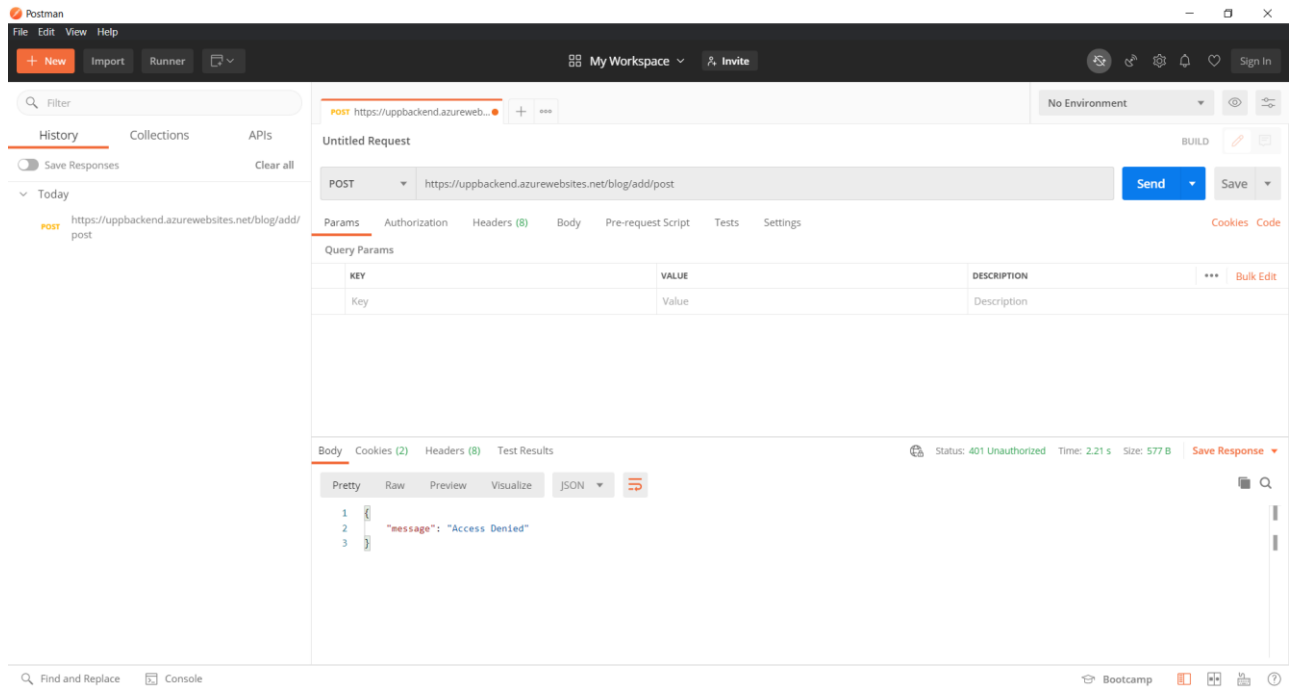Figure 4 On clicking login button

Figure 5 Incorrect credential entered

We have also secured our REST APIs with secure middleware. So, backend is also secure. Above image is also an example of authorisation.