

University Placement Portal

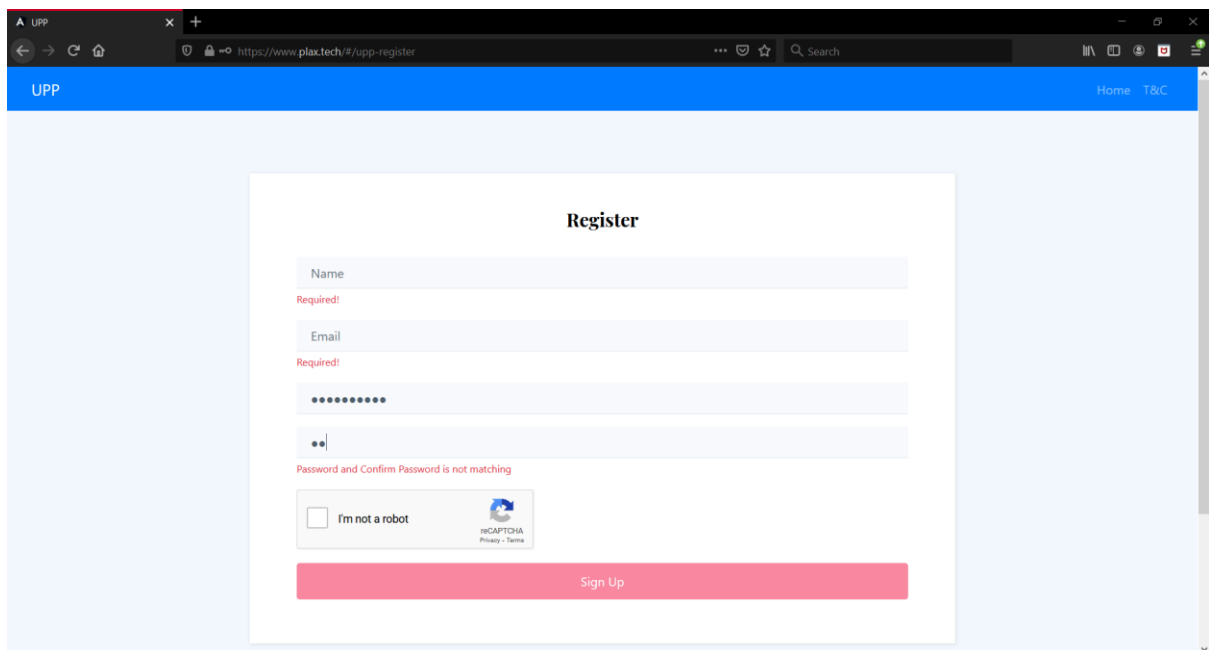
Team 1

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: -



The screenshot shows a web browser window with the URL <https://www.plax.tech/#/upp-register>. The page has a blue header with 'UPP' on the left and 'Home T&C' on the right. The main content area is light blue and contains a white 'Register' form. The form has four input fields: 'Name', 'Email', 'Password', and 'Confirm Password'. The 'Name' and 'Email' fields have a red 'Required!' error message below them. The 'Password' field is masked with dots. The 'Confirm Password' field has a red error message 'Password and Confirm Password is not matching' below it. Below the password fields is a reCAPTCHA widget with the text 'I'm not a robot' and a checkbox. At the bottom of the form is a red 'Sign Up' button.

Figure 1 Registration form validation

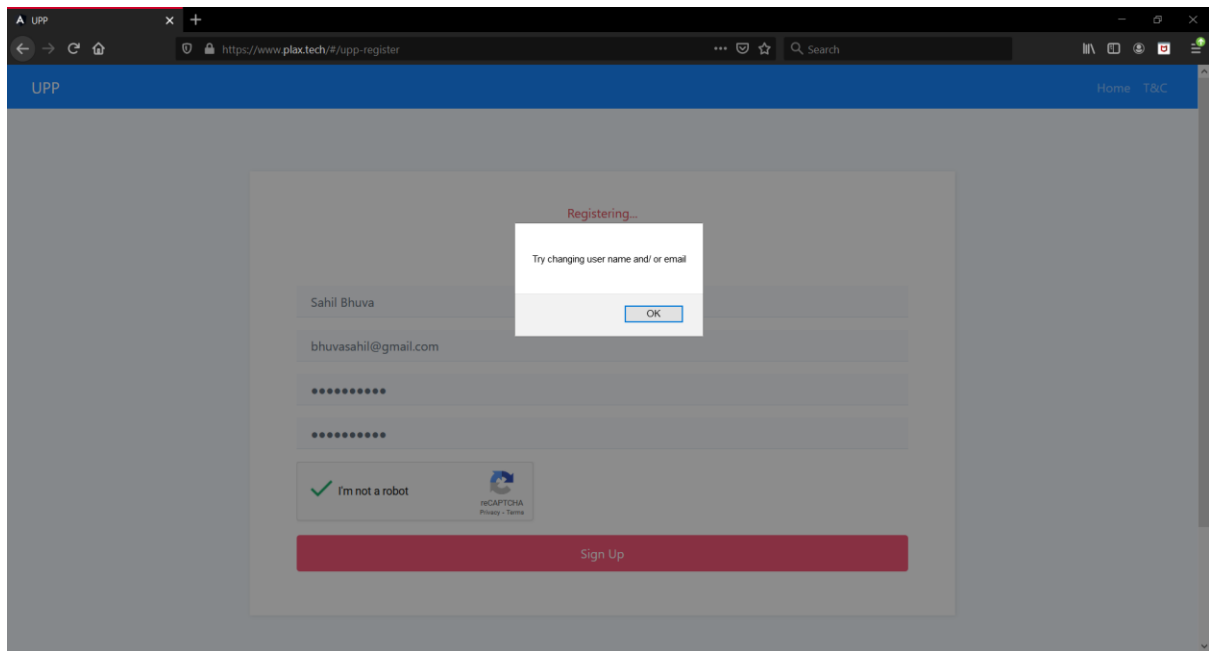


Figure 2 Pop-up alert

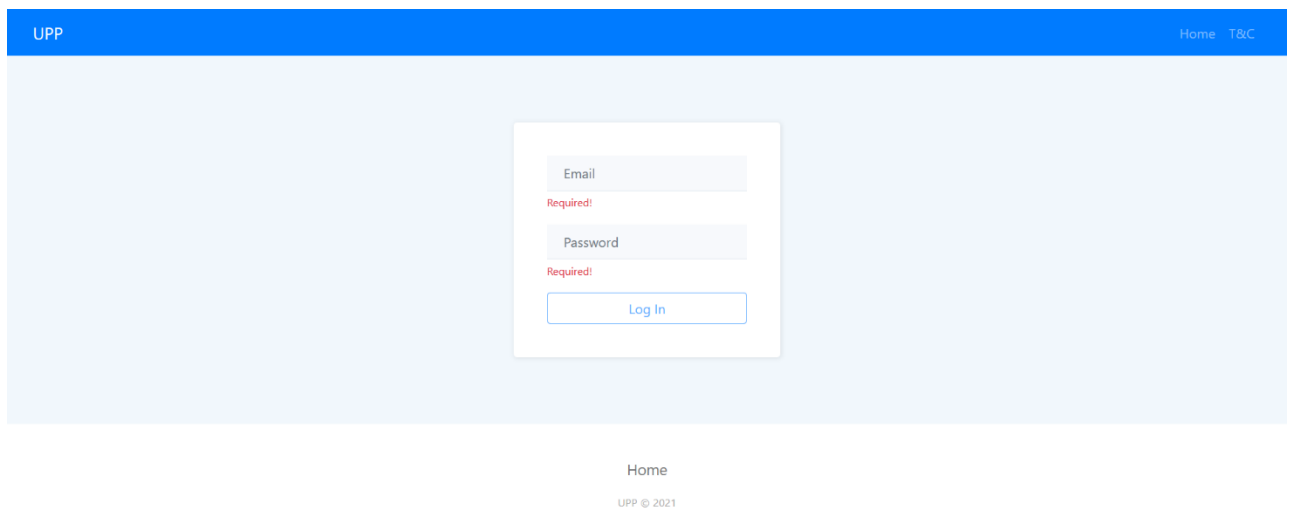


Figure 3 Login page validation

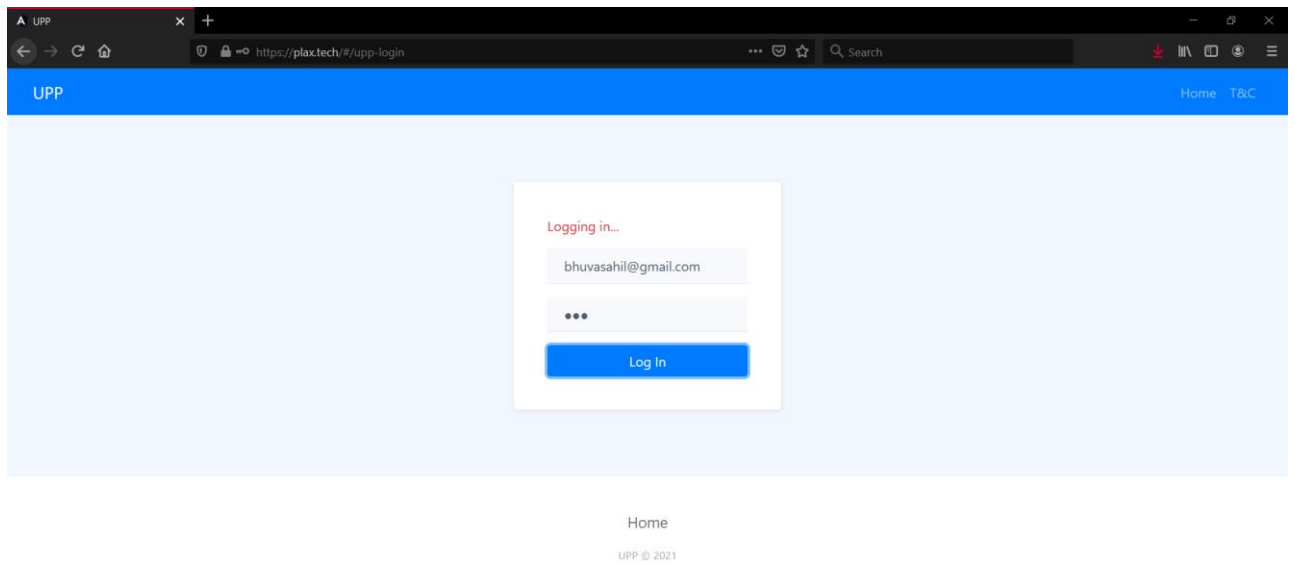


Figure 4 On clicking login button

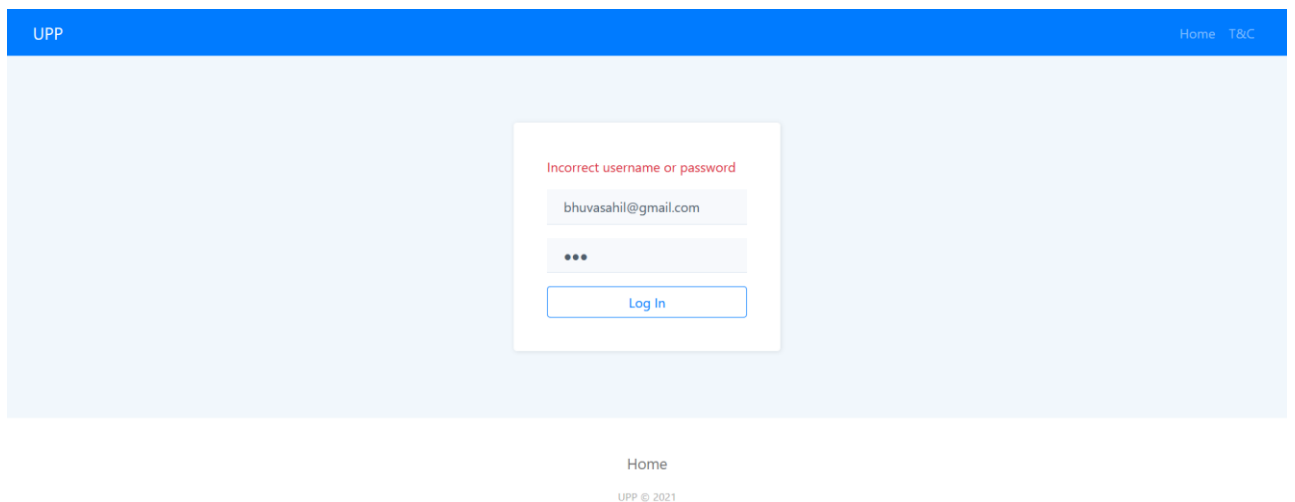
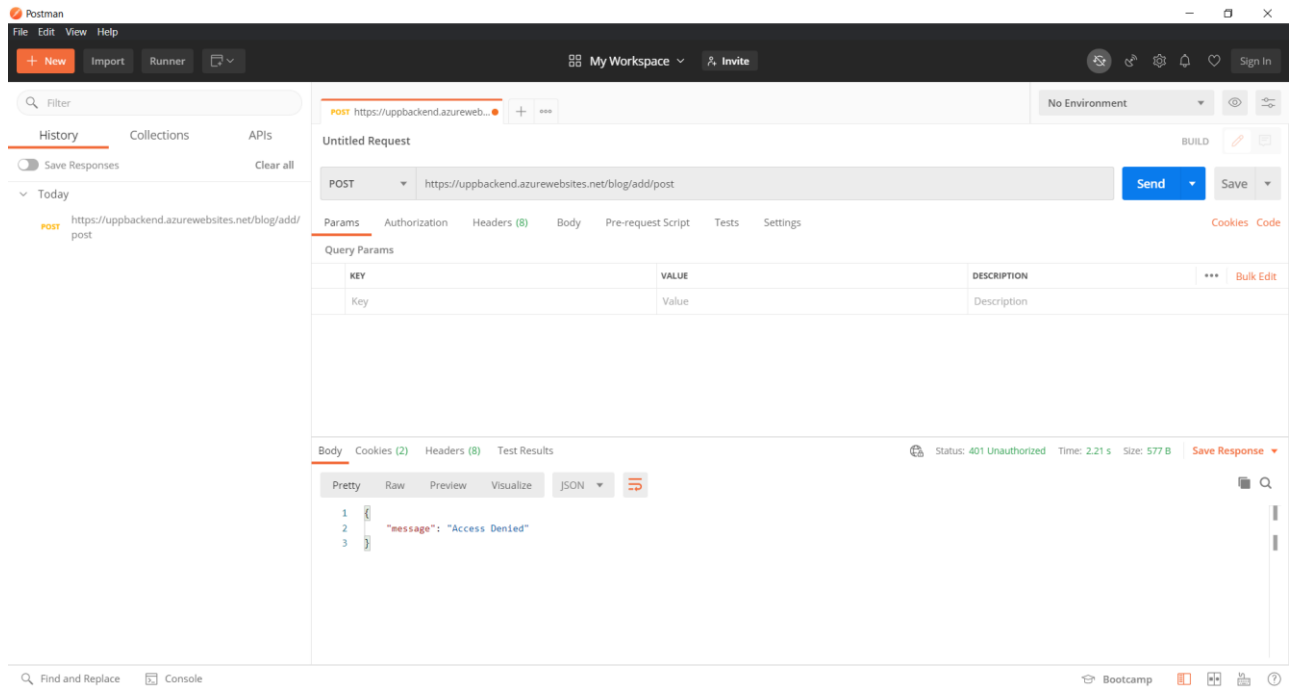


Figure 5 Incorrect credential entered



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