



Problem Statement

You have to create a REST API Server using Flask or Django. Then construct a web application using HTML, CSS using these APIs.

You have to create 2 Modules in Python API Web Server.

- Module 1 - Authentication module
- Module 2 - Product module

You have to create 3 Web Pages.

- Page 1 - Login
- Page 2 - Sign Up
- Page 3 - Get All Products

Prerequisites - MySQL DB, Python3+, API Tester (Postman)

Module 1:

1. Design a SQL table `users` with basic information (id, phoneNumber, password, DOB)
2. Design and create a GET endpoint called /login?userName=xxxx&password=xx for login.
3. Design and create a POST endpoint called /signup for SIGNUP

Note: After successful login, you must return a JWT token as response. For more details on JWT, refer <https://jwt.io/>. Each API should support CORS.

Module 2:

1. Design a SQL table `products` with the following columns - id, sku_name, sku_category, price.
2. Design and create a POST endpoint called /createSKU with the appropriate body for adding products to the table.
3. Design and create a GET endpoint /product?id=1 to retrieve a product by id.
4. Design and create a PUT endpoint /product?id=10 with the appropriate body to update a product by id.
5. Design and create a DELETE endpoint /product?id=3 to delete a product by id.

Note: Each API should be authorized using Basic Auth. Each API should support CORS.

Instruction :

Deadline 25-Mar-2021 13:00:00

UI Validation and Backend Validation will give you more advantage in the hiring process.

Upload your Project to Bitbucket as a Public Repository.

Export MySQL structure as mysqldump and upload to the repository as well.

Fill out this <https://forms.gle/cW2suHRTkRRwi9n86> form.

If you have any questions WhatsApp to [+91-9442822113](tel:+919442822113)