



**Ahsanullah University of Science and Technology (AUST)**  
Department of Computer Science and Engineering

## **JUST ANOTHER JUDGE(JAJ)**

### **Project Proposal Report**

Course No.: CSE 3100

Course Title: Software Development-IV

#### **Submitted To-**

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**Date of Submission - 11/01/2023**

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### **Abstract:**

“Just Another Judge” will be an online coding platform where people will be able to create a problem with test cases and other constraints. Other people will be able to solve those problems by submitting the solutions. They will be able to know about the verdicts and check the leaderboards and their submissions. Apart from the platform-specific features, there will also be basic features like login, signup, etc.

### **Software Requirements:**

1. Text Editor
  - VS Code
2. Language Used
  - Front-End  
HTML  
CSS  
Bootstrap
  - Back-End  
PHP
3. API Used
  - Judge0

### **Features of the Project:**

1. **Sign Up:** Users can sign up using their email and password and use that credential for future use.
2. **Sign In:** The user can sign in using the already registered id. It will be validated during each session also if they want they can save their credential to avoid future use of the credential.
3. **Create a problem:** With proper permission, a user can create a problem. For creating a problem they will need to submit the test case, problem statement, time limit, memory limit, and other constraints. These problems will also be saved for future usage
4. **Solve a problem:** A User can also solve problems created by others and know about the verdict of the problem. They can do multiple submissions and see the previous verdicts and code of their submission
5. **Filtering:** A user will be able to filter problems based on difficulty and title.
6. **Submission Panel:** A user will be able to see the publicly available submission data and will also be able to filter them based on different criteria.