

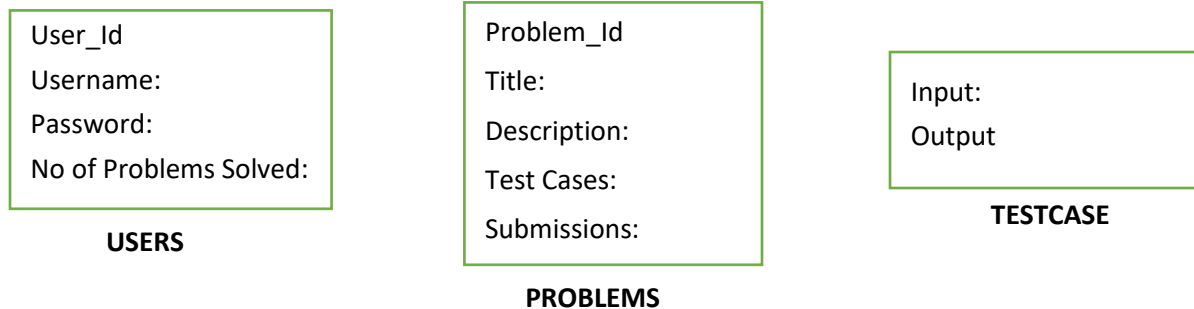
HIGH LEVEL DESIGN DOCUMENT FOR ONLINE JUDGE PROJECT

Proposal: Design a web-based UI system for coders to practice the problem-solving skills.

Requirements:

- 1) Basic feature – Users management like signup/login/profile.
- 2) Problems - List of problems Page, Detailed Problem View Page.
- 3) Editor - To write down the code logic, option to select language.
- 4) Custom Test Cases – Add Custom Inputs/Output Test case.
- 5) List down the submissions for each problem.

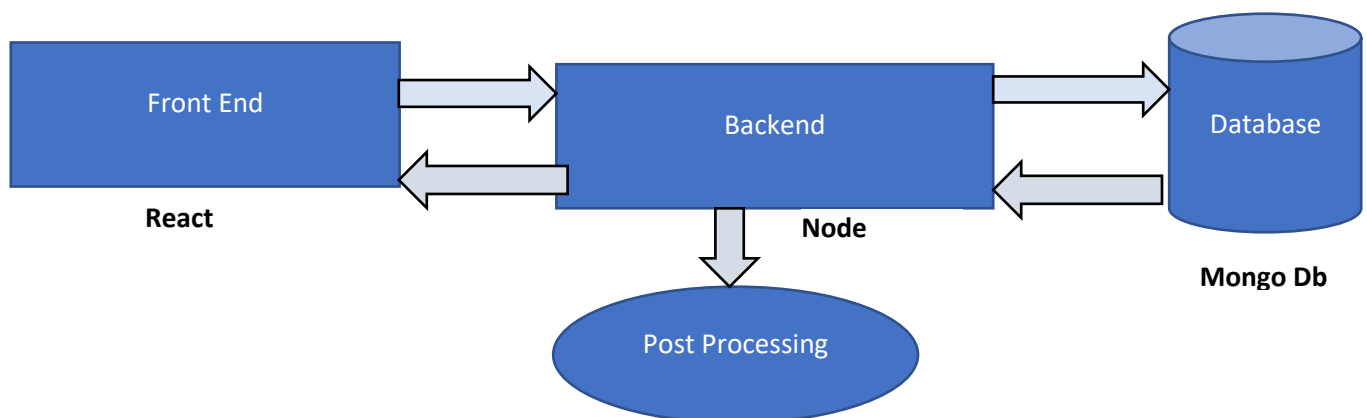
Design:



Tech-Stack:

- ➔ Front End – React
- ➔ Back End – Node
- ➔ Data Base – Mongo DB

System Overview:



UI – Layouts:

Login Page

Username

Password

Login

Home Page

Problems:

Problem-1:

Problem-2:

Problem-3:

Problem-4:

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Problem Page

Title:

Description:

Code Editor

Test Cases

Inputs

Outputs

Submissions

Run

Submit