International University of Business Agriculture and Technology

Course:
Software Engineering Lab
CSC 470

List of Features for the Project:
CodeKoro - A Web-based Programming Problem Judging System

Submitted by:
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Date: 25th November, 2025

List of Features:

- ❖ Authentication
- ❖ User Profile
  - ➢ Username
  - ➢ Profile Picture
  - ➢ Organization, Country
  - ➢ Rating, Rank
  - ➢ List of Solved problems
  - ➢ Submission History
  - ➢ Achievements (digital badge, certificate)
- ❖ Problem
  - ➢ Statement
  - ➢ I/O Description
  - ➢ Constraints
  - ➢ Sample Tests
  - ➢ Setter Information
  - ➢ Solve Statistics
- ❖ Setter Activities:
  - ➢ Create and Update Problems and Test Cases
  - ➢ Add Solution
  - ➢ Group Problem into Contest
- ❖ Online Judge:
  - ➢ Multiple Supported Languages such as: C, C++, python, Java etc.
  - ➢ Verdict type: Accepted, Wrong Answer, Time Limit Exceeded, Memory Limit Exceeded, Runtime Error, Compilation Error, Output Limit Exceeded
- ❖ Contest:
  - ➢ There will be 3 types of contests according to difficulty level.
  - ➢ Rules will be similar to ICPC
- ❖ Leaderboard:
  - ➢ Weekly, monthly, all time, global, organization/country.
- ❖ Admin
  - ➢ Manage user, roles, contests and problems
  - ➢ Penalize cheaters
  - ➢ Monitor
- ❖ Additional features
  - ➢ Dark/Light theme
  - ➢ Team contest participation