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CSC_450

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<div align="center">**HLD**</div>

1. User Interface (UI):
   - The UI will be responsible for providing an interactive interface for professors and students.
   - Professors can log in, select the portfolio department they want to evaluate, and access the evaluation interface.
   - Students can log in, submit their portfolios, and view the evaluation status.

2. User Management:
   - This component handles user authentication, registration, and role-based access control.
   - Professors and students have separate accounts with different permissions.
   - The system should allow real-time addition of professors, updating the list of evaluators dynamically.

3. Portfolio Management:
   - This component manages the storage and retrieval of student portfolios.
   - Students can upload their portfolios, which will be securely stored.
   - The system should support various file formats and provide validation checks for uploaded portfolios.

4. Rubric Management:
   - This component handles the definition and management of the evaluation rubric.
   - The rubric contains evaluation criteria, weighting, and scoring guidelines.
   - Professors follow the same rubric while evaluating portfolios.

5. Evaluation Engine:
   - This component performs the evaluation process based on the selected rubric.
   - Professors can choose the portfolio department they want to evaluate.
   - The engine calculates scores for each criterion, applies the weighting, and generates an overall evaluation score.

6. Real-Time Communication:

- This component enables real-time communication and updates among professors and students.
- Professors can view the list of available portfolios for evaluation and receive notifications when new portfolios are submitted.
- Students can track the evaluation status and receive feedback in real-time.