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CSC\_450

Dr. Lori

**HLD**

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.