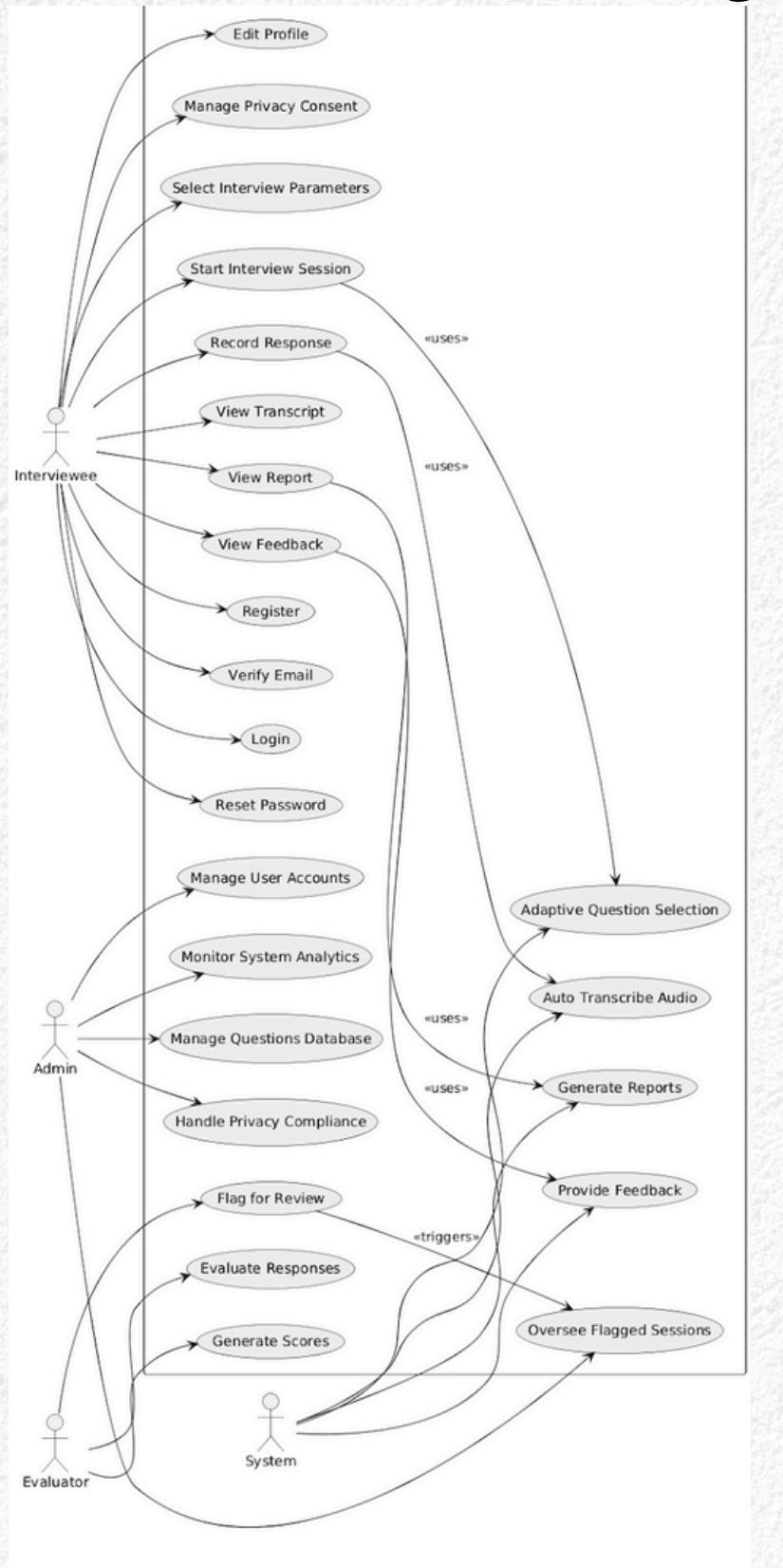


AI INTERVIEW PREPARATION APP

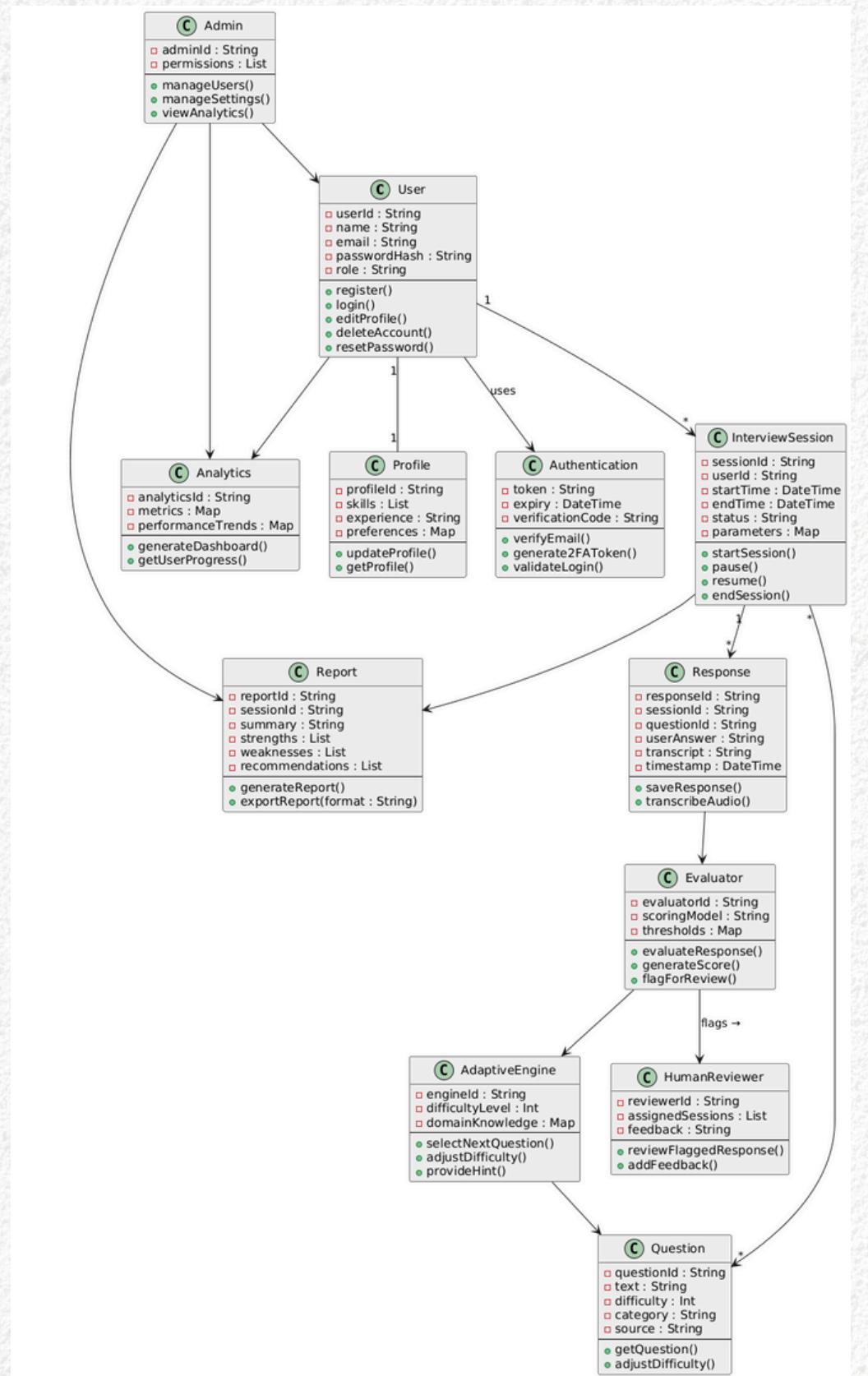
By P09



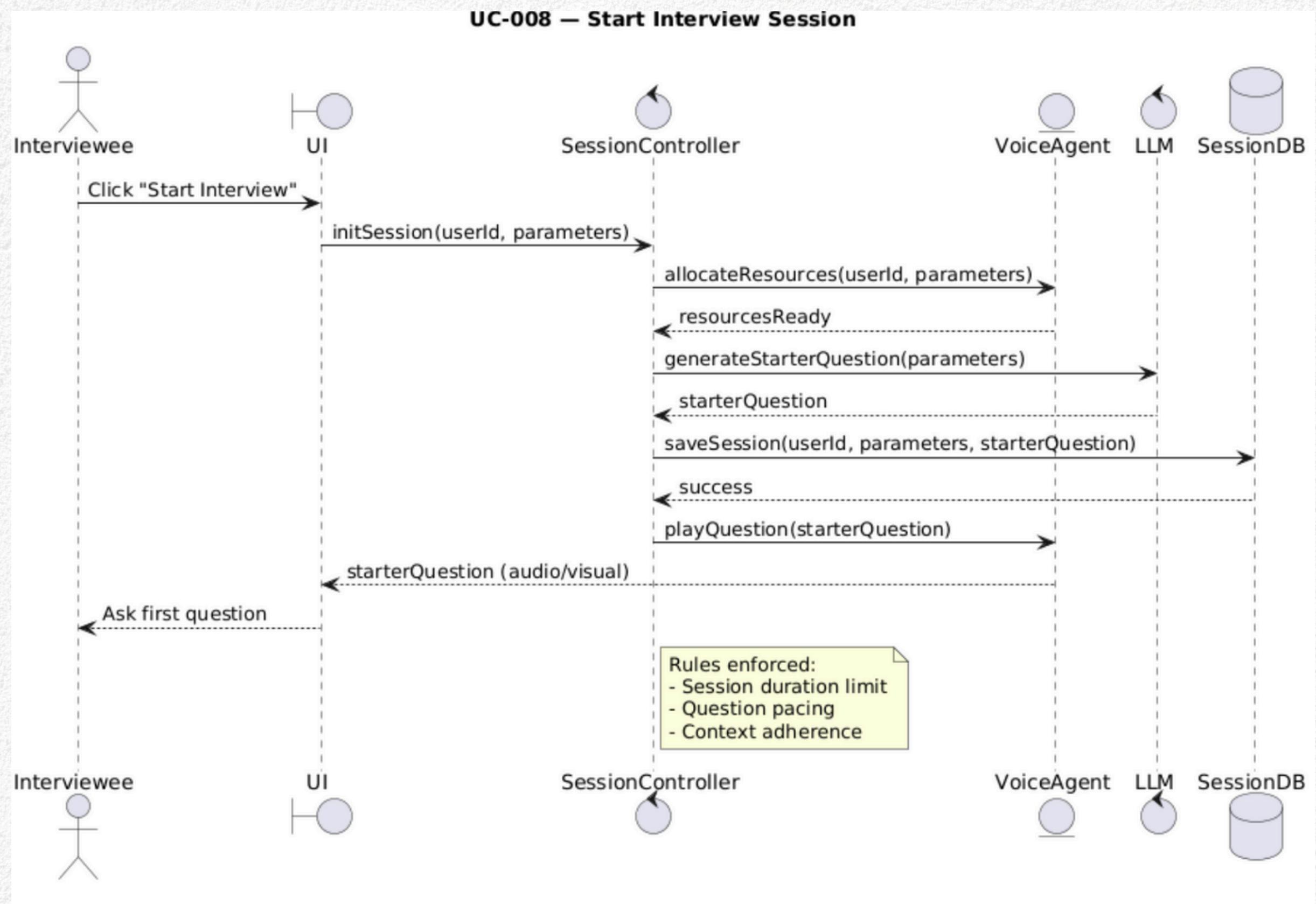
Use Case Diagram



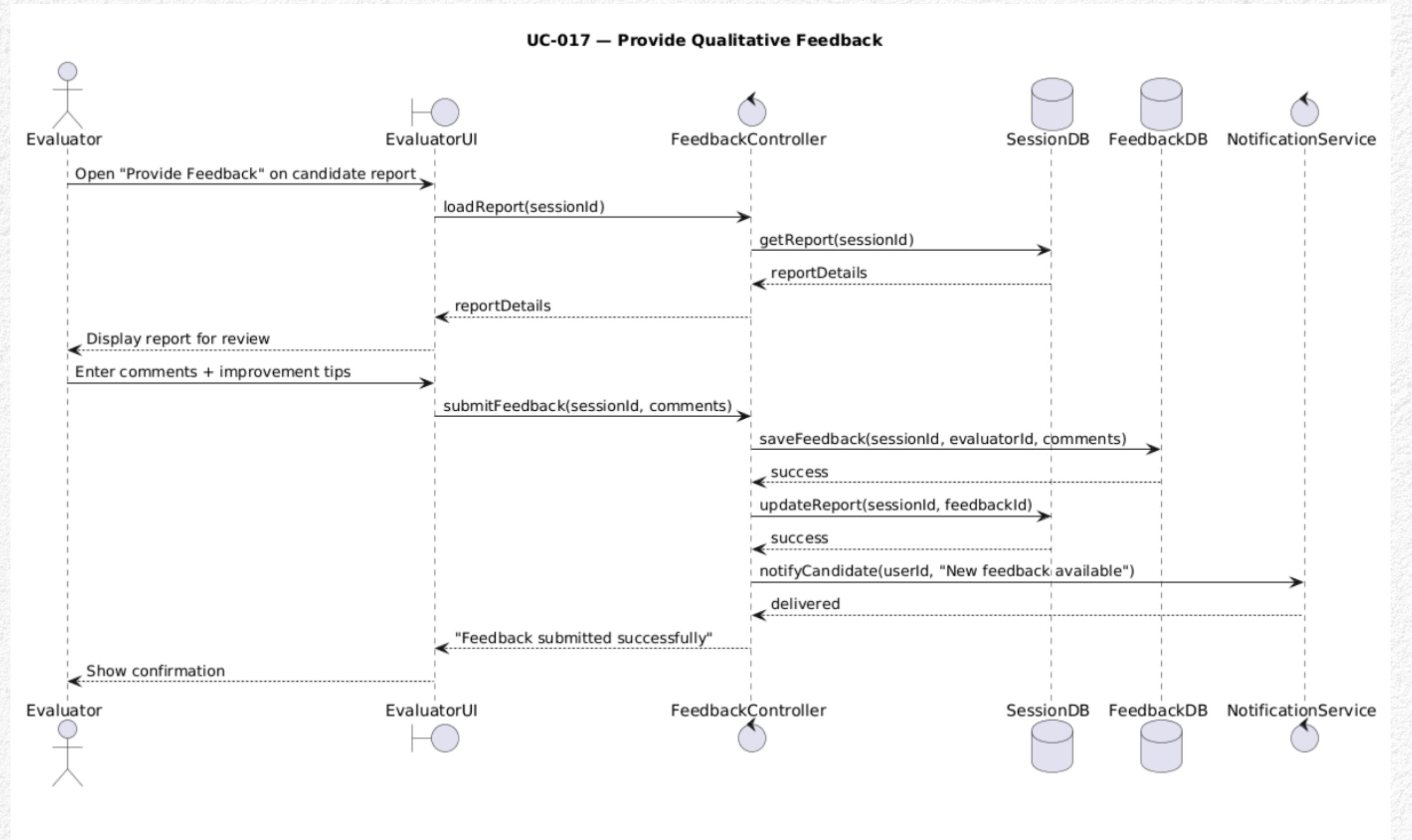
Class Diagram



Sequence Diagram 1



Sequence Diagram 2



Data Requirements

Data Sources

- Books and online platforms
- Public datasets, such as CodeSearchNets
- Company specific interview questions

Data Requirements

- Approx. 1-2k questions/answers with missing values<5%
- Pre-processing such as clean text, no duplicates, and bias
- Demographic attributes, such as gender, age excluded from input

Model Requirements

- Transformer models (NLP), fine-tuned QA models
- Supervised fine-tuning, retrain monthly/after 1k new samples
- Stratified split, early stopping
- Accuracy target: $\geq 75\% \text{ F1}$

THANK YOU

