Introduction

The idea of the app is an AI interview system, the company provide the job position they seek, as well as the information relevant to it, and the system will provide both open-ended and close-ended questions to candidates. Let's discuss the unique selling proposition (USP) by three "WH" questions below:

• What do customers want?

Technically, a company that offers a job position that would applied by a larger number of candidates, seeking for efficient and productive way to shortlist the candidates that with highly matched with that position, such that the company is our target customer.

• What does my system do well?

Supported by Llama 2, the system could provide a series of questions that are specific based on the job position selected with additional requirements, trying to perfectly seek the high-matched candidate. The Llama 2 can process the text-based answer, it could analyze the answers provided and generate feedback with some prompts.

Objective

The goal of this system is to replace the questionnaire that leading a bad interview or even a junior interviewer. It solves the incapable to nicely interview a large number of candidates in the initial round. It also provides a service that starts up or economically troubled companies to completely replace the interviewer position.

Proposed Solution

This app offers a service that provides companies with an additional method for interviewing candidates, or it gives existing job application platforms an API to enhance their services. Initially, we will gather a large amount of job position information that companies are seeking, including company background, position requirements and details, and the type of candidate they are looking for. This information, along with pre-set prompts, will be fed into the Llama 2 model, which will then generate a list of questions to help shortlist candidates. The app is designed as a platform that presents these generated questions to candidates, who must answer all of them. The answers from the candidates serve as a second input to the Llama 2 model, which can analyze text-based answers and produce a report. Companies can then use these reports to compare and shortlist candidates.

Llama 2 offers a free API that accepts text-based prompts and generates feedback. Initially, the system must combine both the information and instruction prompts into a single prompt. The feedback will include a series of questions, and for closed-ended questions, it should also provide options with answers. Secondly, it processes the combination of received answers and pre-set prompts.

Technology Stack
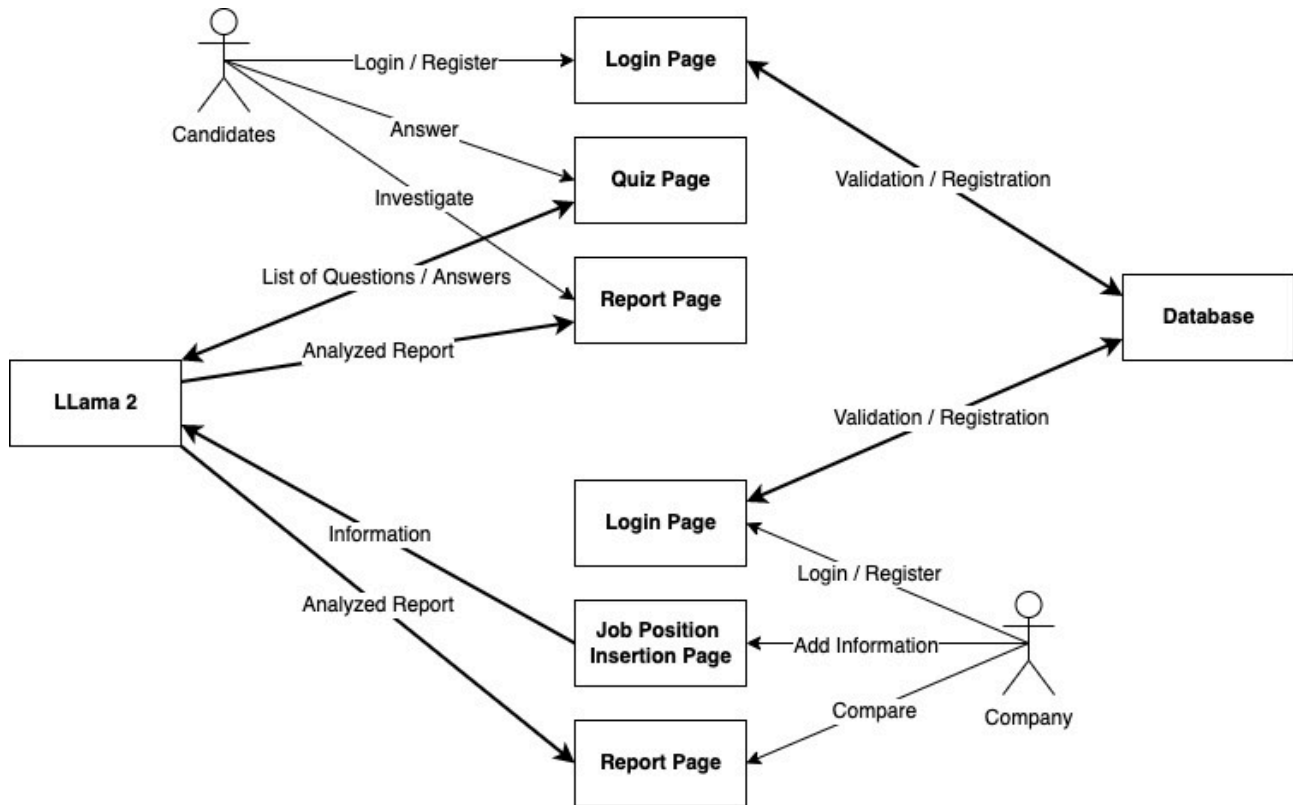
Development Methodology

Given that the task's duration is expected to be between 8 and 12 weeks, which is relatively brief for developing a mobile application, this proposed solution plans to employ the Rapid Application Development Methodology (RAD) as an agile development method. RAD is commonly used to develop information systems within a short timeframe. This methodology comprises four phases: requirement planning, user design, construction, and cutover. The requirement planning has been ideally defined in the previously provided chapter, moving towards user design which includes prototyping, testing, and refining. Next, in the implementation phase, rapid construction transforms the fine-tuned prototype into a working model. The cutover phase, the launch method, is not considered in our task.

Conclusion

The proposed AI interview system leverages Llama 2 to generate tailored questions for job candidates, based on company-provided job details. Aimed at streamlining the initial candidate screening process, it enables efficient shortlisting of applicants, replacing traditional interviewing methods and benefiting startups or economically challenged companies.