Assignment
HR Interview System

Runbook Document

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1. Purpose

This document defines the usage instructions for the Hr Interview system.

2. Pre-Requisites

a. Python 3.11

This assignment was created using python 3.11. This can be downloaded from python downloads.

After installing python, verify the installation using the command : *python –version*

b. Python Libraries

Few python libraries have to be installed before running this assignment.

These libraries are present in requirements.txt file.

To install libraries use this command : *pip install -r requirements.txt*

If the above command returns an error, use command : *python -m pip install -r requirements.txt*

c. Environment File

The SQL connection string must be defined in the .env file. A sample value is already given where one can replace it with actual connection parameters.

d. MySQL Database

Download and install MySQL community server from the official website : mysql server

e. Database Setup

Create a database assignment using sql query : *create database assignment;* in mysql client

Tables will be created automatically when we run the server. However there will be no data present in the tables. You can add dummy data manually by referring to test.sql file or automatically by running the tests(refer to the sections below)

3. Usage Instructions

a. Starting the server

This assignment utilizes uvicorn to initialize the server. It can be started by : *uvicorn main:app –reload*

b. API usage

All the api endpoints and their detailed schemas are mentioned in the API documentation.pdf file

c. Testing

Most of the functions can be tested using *pytest* .These tests automatically creates table and add dummy data into the database and perform tests/validations on that specific data

4. Technologies used

a. FastAPI
b. Sqlalchemy
c. Uvicorn
d. Pytest