**Assumptions**

This document outlines the assumptions made during the development of the Candidate Information API.

**Assumption 1: Database Configuration**

It is assumed that the database configuration (connection string, database provider, etc.) is correctly set up in the **appsettings.json** file or through environment variables.

**Assumption 2: Authentication and Authorization**

It assumes that the JWT authentication mechanism implemented in the AccountController is sufficient for securing the API endpoints.

**Assumption 3: Input Validation**

The application assumes that the input validation rules defined in the model classes and controllers are comprehensive and appropriate for ensuring data integrity.

**Assumption 4: Error Handling**

It is assumed that appropriate error handling mechanisms are implemented throughout the API to handle exceptions and provide meaningful error responses.

**Assumption 5: Swagger Documentation**

It is assumed that Swagger is used for API documentation and that the Swagger UI is accessible at **/swagger** endpoint. the Swagger documentation accurately represents the API endpoints and their functionalities.

**Assumption 6: Testing Environment**

It is assumed that a testing environment is available for integration and end-to-end testing of the API endpoints. It assumes that the unit tests cover a significant portion of the application logic, but may not provide 100% coverage.

**Assumption 7: Deployment Environment**

The documentation assumes that the deployment environment (e.g., Azure, AWS, or local server) meets the necessary prerequisites for hosting the application.

**Assumption 8: Concurrency**

It assumes that the application does not require handling concurrent requests or database transactions that could lead to data inconsistencies.

**Assumption 9: Scalability**

It assumes that the current architecture and design choices are sufficient for handling the expected load and user base. However, it may require scalability improvements for significant increases in traffic.

**Assumption 10: Maintenance**

The documentation assumes that future developers are familiar with ASP.NET Core, Entity Framework, and other technologies used in the project for ongoing maintenance and enhancements.