Software Requirement Specification (SRS) for BIT - Interview Candidates Details

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Project ID: 29

Project Title: BIT - Interview Candidates Details

Technical Components

Component	Tech Stack
Backend	NodeJS & ExpressJS
Frontend	ReactJs
Database	MongoDB
API	RESTful services

Problem Statement:

The current process for managing interview candidate details at BIT is likely manual and inefficient. This can lead to issues such as:

- Difficulty in accessing and searching for candidate information.
- Inconsistent data storage and potential for errors.
- Time wasted on administrative tasks related to candidate data management.

Project Flow:

Purpose:

To develop a web application that streamlines the process of storing, accessing, and managing interview candidate details at BIT.

Scope:

- Create new candidate profiles.
- View and edit existing candidate profiles.
- Search for candidates based on various criteria (e.g., name, designation, skills).
- Upload candidate resumes.
- Track interview progress and selection status.

Business Context:

This application aims to improve the efficiency and organization of the interview process at BIT. This will benefit various stakeholders, including:

- Human Resources (HR) department: Saves time and effort managing candidate data.
- Hiring Managers: Easier access to qualified candidates.
- Interviewers: Streamlined interview scheduling and candidate information access.

Considerations:

- Secure user authentication and authorization for accessing candidate data.
- User-friendly interface for easy data input and retrieval.
- Responsive design for access on various devices.

Dependencies:

- **Body-parser** is a Node.js middleware for parsing incoming request bodies.
- Express-validator is a middleware for validating incoming request data in Express.
- **Jsonwebtoken** is a library for generating and verifying JSON Web Tokens (JWTs).
- Mongoose is an Object Document Mapper (ODM) for MongoDB.
- Nodemon is a development tool for automatically restarting Node.js applications on code changes.
- Axios is a library for making HTTP requests.
- Secure database server for storing candidate information.

User Personas:

- HR Personnel: Manages the application, creates candidate profiles, and tracks interview progress.
- Hiring Managers: Searches and views candidate profiles, schedules interviews, and updates selection status.
- Interviewers: Access candidate profiles and notes before interviews.

User Stories:

- As an HR representative, I want to create new candidate profiles with complete details and upload resumes.
- As a hiring manager, I want to search for candidates based on specific criteria and view their profiles.
- As an interviewer, I want to easily access candidate information and notes before conducting interviews.

Functional Requirements:

- User Authentication: Secure login mechanism for authorized users.
- Candidate Management: Create, edit, and view candidate profiles.
- Search Functionality: Search for candidates based on various criteria.
- Resume Upload: Allow uploading candidate resumes in different formats.
- Interview Tracking: Track interview progress and selection status.
- Dynamic Dashboard: Real-time display of candidate details, interview schedules, and selection status.
- Address Management: Storage and retrieval of candidate addresses for communication purposes.

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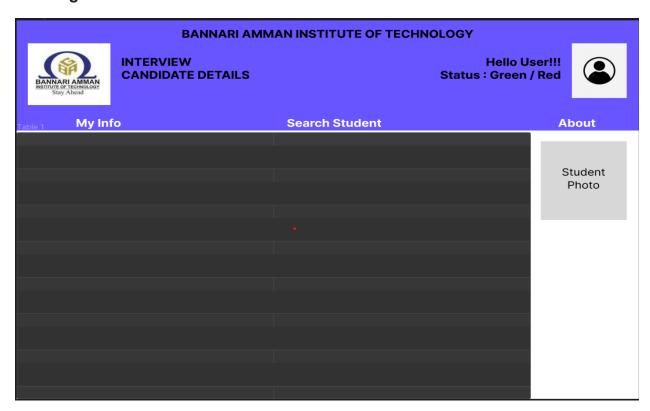
Frontend:

LoginPage:

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MainPage:



SearchStudent:

