BrickX (Project Proposal)

**Title:**

Contractor/Workers’ App. Management System

**Trainee Name:**

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**Background:**

As home prices begin to rise, so is the demand for construction workers, but skilled workers are gradually getting hard to find.

Traditionally, contractors reach out to workers whom they know and trust, which is time consuming and usually fruitless, most especially when these workers have other contracts.

**Problem statement:**

This project aims to bridge the gap between contractors and workers. Thereby making contractors reach out to new, available, and reliable workers to hook up with jobs.

The gap is bridged through the following:

* Project is created and submitted by a contractor.
* Alerts are sent to matched workers to apply for available roles.
* Contractors review applications and recruit workers.
* Feedback is given by workers and contractors on progress of project.
* Contractors give reviews and ratings on worker’s profile, based on performance on project.

**Requirements**:

**Objectives:**

**Scope:**

* The project’s primary goal is to connect contractors and workers to jobs, while enhancing interactions and engagement.

**Future Enhancements:**

**Schedule/Time Frame:**

September 18 – November 28 (3 Months)

**Challenges**

SDLC (Agile methodology)

**List of Software’s, ID, Framework, Database used in the project**

This contains a list of software tools both standalone and online used in the development and implementation of this project. This contains technologies used for both frontend and backend development.

Frontend technologies:

* HTML (Hyper-Text markup Language)
* CSS (Cascading Style Sheet)
* ReactJS
* NodeJS
* JavaScript
* Node Package Manager

Backend technologies:

* Java
* Spring Boot JPA
* Spring Boot Security
* RESTful Controllers
* Apache Tomcat server
* MSSQL Server
* JSON
* Maven
* Extended Markup (XML)

IDE’s:

* Visual Studio Code
* IntelliJ Idea
* Microsoft SQL Server Management Studio

Design Diagrams (UML, ER, DB Schema…..)

Coding (Sample, Sample screenshots)

Testing (Test Case)

* Postman [[Postman](https://www.postman.com)]

**Implementation:**

[**BrickX on GitHub**](https://github.com/Ifejeremiah/BrickX.git)

**Future Enhancement:**

* Payroll and Invoice management
* Chatrooms
* Company Management Systems
* Safety Checklist
* Paginations to dashboards
* Admin dashboard page

**Conclusion:**

BrickX is a marketplace connecting construction companies and contractors to local construction workers looking for short-term or long-term work.

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