

# isThis-a-Bug: crowdsourced bug reporting system

## Project for HCL Internship

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### Abstract

**isThis-a-Bug** is a web-based application that provides facility for developer of big application and projects to get data about the bugs from their production build. Details such as the exact build of occurrence, type of bug, description, how to replicate and many more are easily accessible off the record. The system at any point can provide essential details of reported Bug, and their current status. With the data in hand Developers can work on them to improve their software and services for better User experience.

### Features

These are the core features, which will be present in the final production-level application.

#### Login and Sign-up

1. User can login and see the status of their past reports (if there's any).
2. Password encryption using **NodeJS libraries sh256**
3. Sign up page for both users and admins.

#### Dashboard

1. Easy to use Dashboard for **seeing** and **slashing** the reports (depends on the authentication level).
2. All the previous bug tickets will be listed here for read only access and edit and move access to Admins and respective developers which are **visible** to non admin user.
3. User will be able to see the progress of their present report so as to have a quantitative info of their info.

## User Profile

1. A logout button to **Logout** from the application.
2. There will be work of having a leaderboard as well as future build's feature

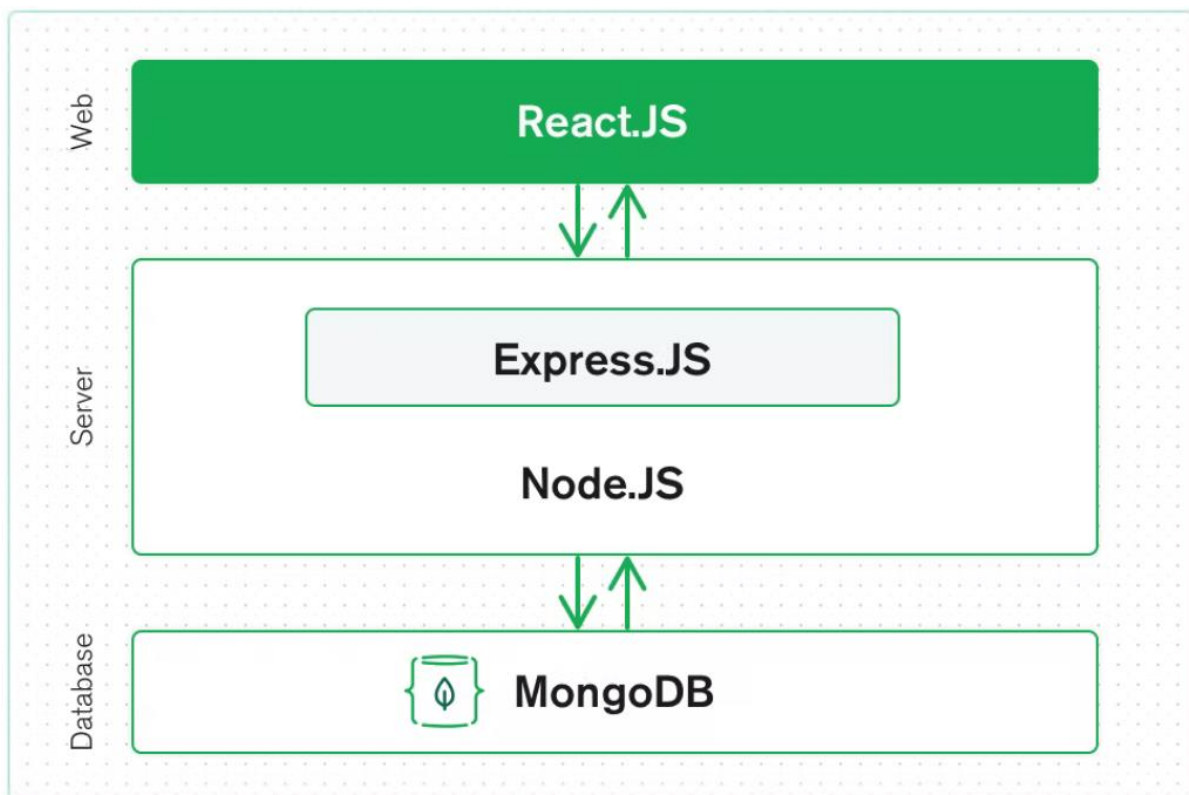
## Tech-stack used

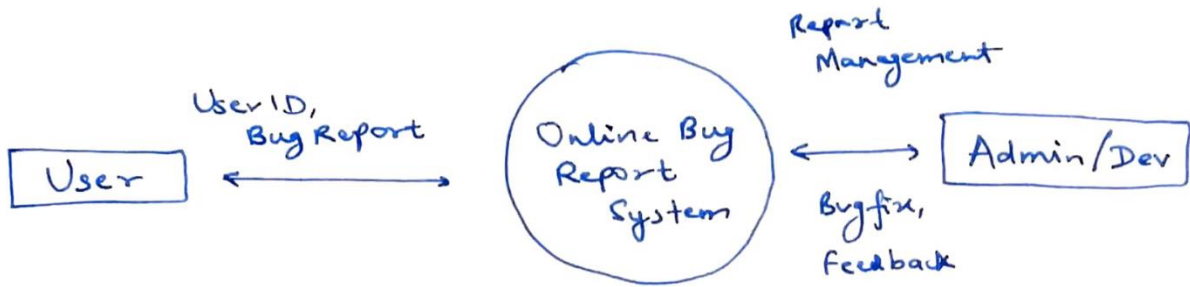
A modern and lightweight tech-stack is an essential factor in determining the winning of a product in the market. So, MERN Stood as the number one choice. MERN stands for MongoDB, Express, React, Node, after the four key technologies that make up the stack.

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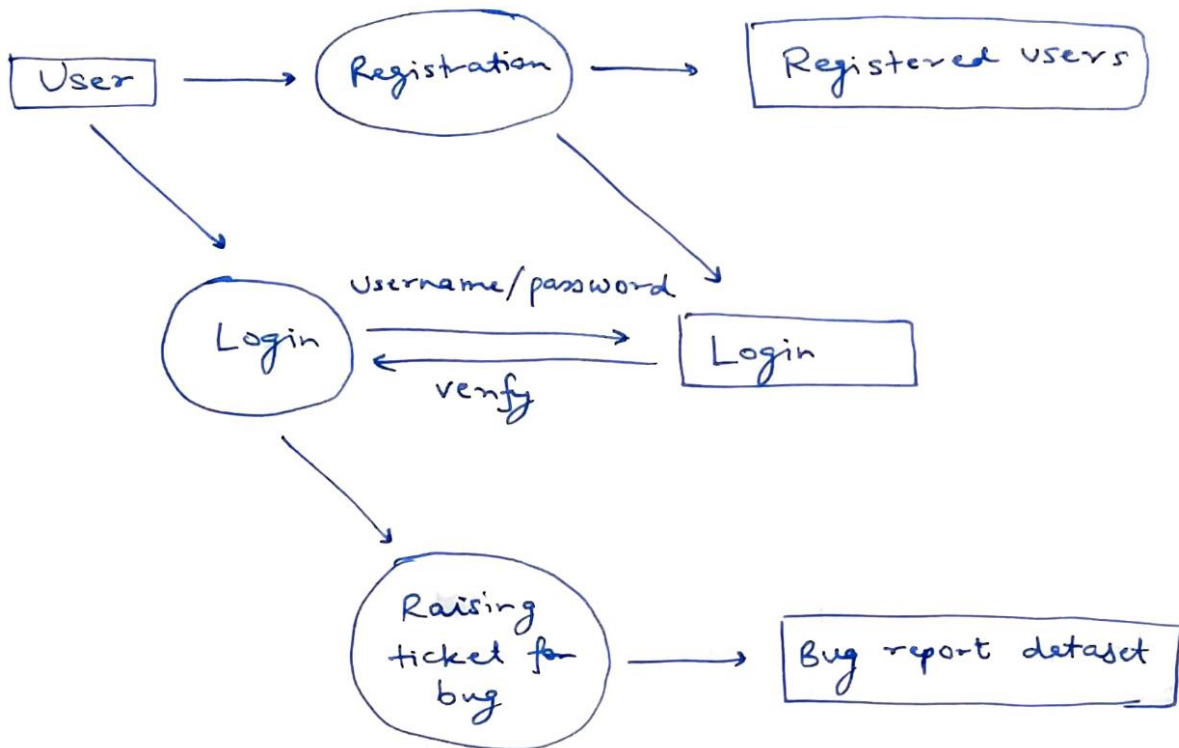
- **MongoDB** - document database
- **Express(.js)** - Node.js web framework
- **React(.js)** - a client-side JavaScript framework
- **Node(.js)** - the premier JavaScript web server

This project uses up-to-date, relevant technologies to deliver a smooth and efficient user experience.

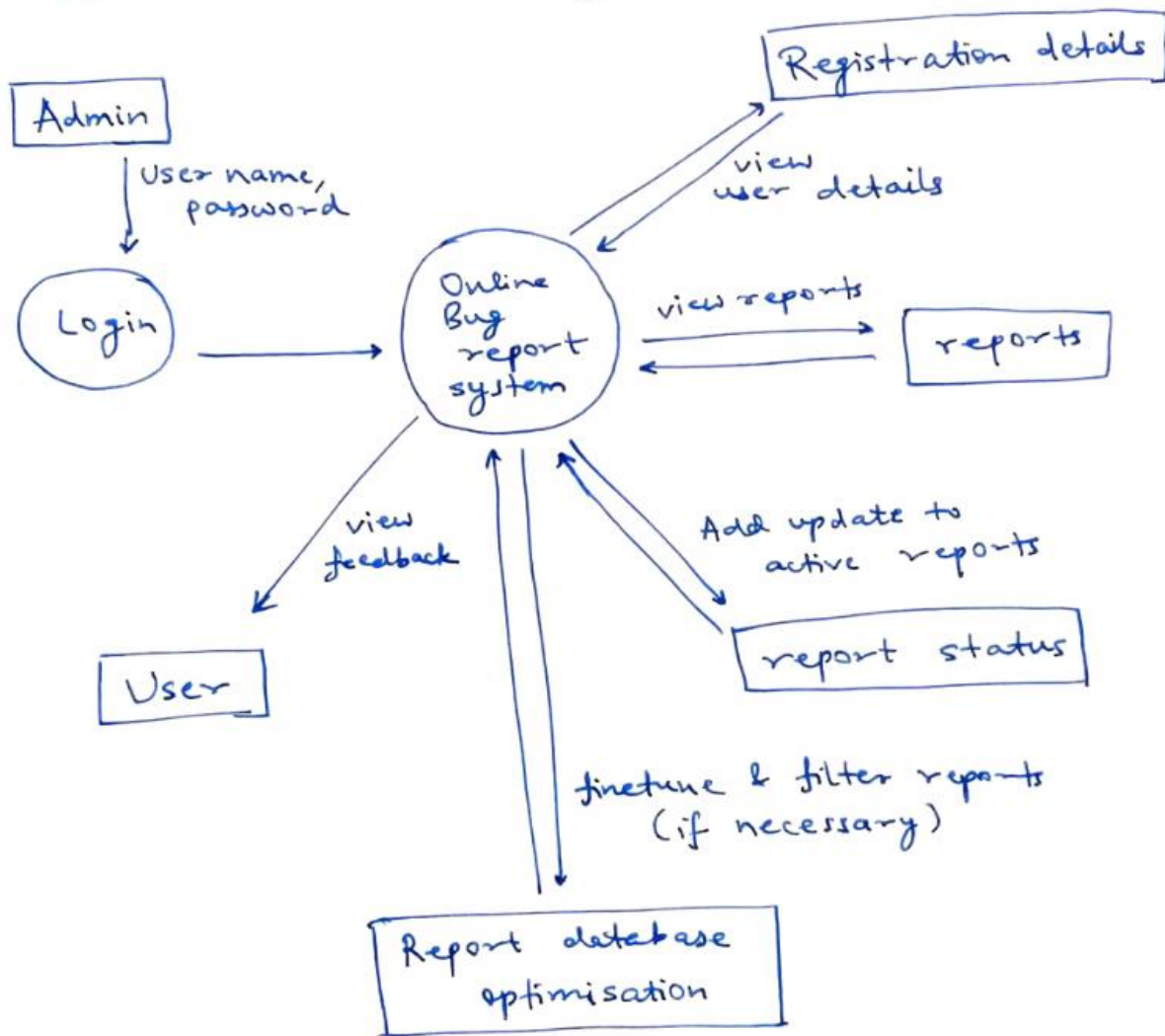




Context flow diagram



User data flow diagram



Admin Data flow diagram