

BizzHome

A freelance platform for every skill

Interfaces

Main interfaces include:

Company	Website + Dashboard
User	Website + Dashboard
Guest	Website

The company dashboard provides an overview of the site's performance, including metrics such as revenue, number of users, and active projects. The user dashboard provides a personalized view of a user's activity on the site, including their projects, earnings, and messages. The guest mode allows visitors to browse the site without creating an account, which can be useful for attracting new users.

Detailed interfaces include:

- **User account interface:** Allows users to create an account, manage their profile information, and access their job history and earnings.
- **Project listing interface:** A platform for clients to post their projects, specify project requirements, and receive proposals from freelancers.
- **Proposal and bidding interface:** Allows freelancers to submit proposals for projects, bid on projects, and communicate with clients.
- **Payment and billing interface:** Facilitates secure transactions between clients and freelancers, including payment for project work and dispute resolution.
- **Project management interface:** Enables clients and freelancers to collaborate on projects, track progress, exchange files, and communicate through messaging.
- **Feedback and rating system:** Allows clients and freelancers to rate and review each other, helping to build trust and establish credibility within the community.

Features

- Login/Signup (for users, companies)
- Company mode to hire workers (for companies)
- Worker mode to get jobs (for users)
- Add/Update/Delete jobs (for companies)
- Profile builder for people looking for jobs (for users)
- Payments automation + security - Stripe API (for users, companies)
- Activity Tracking of jobs - Viewed, Clicked, Applied, Hiring (for companies)
- Order Status for the jobs - Applied, Pending, Order delivery, Received, Payment due (For users)
- Guest mode for new users (for guests)
- Alerts and Notifications for jobs and applications (for users, companies)
- Jobs filtering - Liked jobs, Trending jobs, near me, categories (for guests, users)
- Like, review, and comment on users and jobs (For users, companies)
- Share work, and portfolio publicly with other users (For users)
- Market services (for users, companies)
- Messaging (maybe) (for Users, Companies)

Cloud

Firebase	Cloud Storage, Real-time database
Netlify	Hosting

Server Details

Firebase, being a Backend-as-a-Service (BaaS) platform, eliminates the need for setting up a server infrastructure to run a React application with Progressive Web App (PWA) support. Firebase provides a range of services including real-time database, authentication, hosting, etc. that can be used to build and run a complete web application.

However, to ensure optimal performance and availability of your Firebase + React PWA, you may need to consider the following requirements:

- **Internet connectivity:** A reliable and fast internet connection is necessary to connect to the Firebase services.
- **Browser requirements:** Your PWA must support modern browsers that have good support for progressive web app standards such as Service Workers, Web App Manifests, etc.
- **Device requirements:** Your PWA must be compatible with a range of devices, including desktops, laptops, smartphones, and tablets.
- **Storage:** Firebase offers limited storage for its free tier, so you may need to upgrade your Firebase plan if you anticipate a high volume of data storage.
- **Bandwidth:** You should monitor the bandwidth usage of your application to ensure that it doesn't exceed the limits set by Firebase.
- **Security:** You must implement proper security measures such as HTTPS and encryption of sensitive data to protect user information.

In summary, the server requirements for a Firebase + React PWA is minimal, as most of the server-side functionality is handled by Firebase. However, it's important to consider the performance and security requirements of your application. But for an average React application following requirements are considered optimal.

Operating system	Windows, macOS, or Linux
RAM	2 GB (Minimum), 4 GB (Recommended)
Disk Space	50 GB (Minimum), 100 GB (Recommended)
Processor	2 GHz dual-core (Minimum), 2.6 GHz quad-core (Recommended)

These are just the minimum requirements and your actual requirements may vary based on the size and complexity of your application, as well as the amount of traffic it is expected to handle. You may also need to add more resources such as RAM or disk space as your application grows.

Tech Stack

Backend	JavaScript- Custom API (JavaScript)
Frontend	ReactJS with Redux - Bootstrap v5 (JavaScript)
Database	Firebase - Cloud Storage
DevOps	CI/CD with Github actions and Netlify CLI
Testing	Test-Driven Development with Jest/Enzyme (JavaScript)

Submissions

Repository URL: <https://github.com/Jazzel/HU-SE-Project>

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Thank you!