

JANET MOBILE APPLICATION DEVELOPMENT DOCUMENTATION

1. Summary of the app

The app is called **JR App**. It shall be usable in **iPhone** and **android** firmware.

The app shall basically assist in managing users and interacting with clients effectively and conveniently.

User functionalities -

When anyone opens the app without an account, they shall be able to view general marketing information about the app like notify they can apply for jobs through the app, latest social media posts and news about Janet Rangi services (refer to website janetrangi.com)

The app shall have marketing ads, news, and fancy tools like link to important websites/apps to catch ordinary clients that have signed up in the app

Users will have to register/sign up with \$5 in the app to enjoy app functionalities like view jobs, pay for consultations, create an account, and view service packages.

Signed up users shall have a simple admin dashboard which shall serve as their management panel. The dashboard shall perform the following:

- a) Clients get updates about their application/service offered progress (This shall be updated by the admins)
- b) Clients shall be able to make any additional/new payments
- c) Clients shall be able to chat lively with their assigned expert/professional
- c) Clients shall be able to submit documents or files through the app incase acquired (resources tab)
- d) Clients shall be able to view their profiles and can edit.
- e) Can apply for jobs in the app and save as favorites
- f) Should receive notifications when a new job is uploaded/added in the app

The admins (Shall have 3 admin users) shall be able to:

Admin 1(Super admin) –

- This is the super admin and can perform all app functionalities
- Can add or remove a package, or create a customized package/product
- Super admin shall be able to even add users or remove users in the app regardless
- Add job openings in the app
- Edit app sectional contents

- View, download and generate normal and customized financial reports
- View, download and generate normal and customized clients' reports
- Have full access and management of the app
- This user shall be able to perform all other user functions

Admin 2(Admin) -

- View, generate and download summaries/reports of every client including progression bar of their application/service
- Update client directly/personally (Each party shall receive an SMS and app notification of any update from either party).
- Communicate lively with client directly

Admin 3(Normal User) –

- View client's information including their contacts
- Have basic app admin access
- Can contact a client

Note: In all activities users engage in the app, they shall receive an email and an SMS notification irrespective of the country.

We shall always top up SMS units. Choose any international SMS gateway.

2. Technical Requirements the management app:

Platform Compatibility:

- The app shall be compatible with both iOS (iPhone) and Android operating systems.

User Registration and Authentication:

- Users must register/sign up to use the app.(Normal and simple user registration forms)
- User authentication shall include email/phone number verification and password setup(Must have 2FA)
- Client to upload profile photo during sign up

Security and Data Protection:

- Implement strong security measures to protect user data and privacy, both in development and deployment.
- Compliance with data protection regulations (e.g., GDPR) shall be ensured.

Performance and Scalability:

- The app shall perform efficiently, even with a large number of users and data.
- Scalability options shall be considered for future growth.

Offline Access:

- The app shall provide limited offline access to certain features for user convenience, which shall be synchronized to the database once the client is connected online e.g. Client should be able to open the app even when offline.

Backup and Data Recovery:

- Regular data backups and a data recovery plan shall be implemented.
- Any deleted data from the app should be in archives and not permanently deleted unless with a warning consent

Cross-Platform Development:

- The admin dashboard shall be developed using a cross-platform framework PHP & Laravel and the app developed using convenient languages compatible for IOS and android firmware

Testing and Quality Assurance:

- Rigorous testing procedures shall be in place to identify and address bugs and issues.
- Usability testing shall be conducted to ensure a user-friendly experience.

Documentation:

- Detailed technical documentation shall be maintained, including architecture, APIs, and user manuals
- The documentation shall also be publicly available for users and readily available in GitHub for developers (for GitHub it will serve private for a while under the account that shall be provided to the developer)
- Developer to share all the code files

Maintenance and Updates:

- The app shall receive regular maintenance and updates to address issues, improve performance, and add new features.

Compliance:

- The app shall comply with all relevant app store guidelines (e.g., Apple App Store and Google Play Store).

Timeline:

- App and the admin dashboard shall be ready within 3 months

Legal and Regulatory Considerations:

- The company shall protect and ensure compliance with all local, national, and international laws and regulations related to immigration services and data protection.

Monitoring and Analytics:

- Implement tools for monitoring app performance and user analytics to make data-driven improvements.

Feedback and Support:

- Include a feature for users to provide feedback and request support within the app.

Localization:

- Should consider localization options to support multiple languages and regions.

Deployment and Hosting:

- Hosting shall be provided to the developer including play store and Appstore accounts

Disaster Recovery:

- Establish a disaster recovery plan to handle unforeseen events that may affect app availability.

Legal and Ethical Considerations:

- Adhere to ethical practices in handling user data and ensure transparency in data usage.

Payment Integration:

- Payment integration shall be done using Stripe. Keys and documentations required shall be provided

These technical requirements should serve as a comprehensive guide and a checklist for the development of this app, covering all essential aspects from platform compatibility to security and compliance.