Project Management

# Project Requirements

* What should be overall experience?
* What is more important?
  + Fast
  + Secure
  + Accuracy
* Which feature is important?
* Should we go with MVP first?

# Platform Stack

Native/RN, Rational Behind this

* Time
* Cost
* User Experience
* Security
* Maintenance
* Performance
* Long Term support
* 3rd party Integration
* Team Language

# Development Management

* Code Versioning/Management
  + Git/GitHub
  + Development
  + Release
  + Code Review
* ESlint
* SonarQube

# Technical Stack

* Expo
* Typescript
* Expo Router
* Redux with saga, axios/GQL
* MongoDB Realm
* Jest with RTL
* ESlint
* Push Notification
* Expo OTA

# Infrastructure

* Team must equipped with required machine

# Team Recruitment

* Team Availability
  + Development Language/Training
* Dev, QA, designer
* Roles and Responsibility

# Project Plan

* Scrum
  + JIRA
  + Sprint
* Communication methods. MS team, Slack
* Deployment Plan
  + Monthly
  + CI CD Jenkins Pipeline

# Testing

* Unit Testing
* QA Manual Testing
  + Browser Stack
* QA Automation Testing, Appium
* QA Performance Testing
* QA security testing
* UAT
* App Distribution
  + TestFlight
  + Google Play Console

# NFR

* Performance Monitoring
  + Dynatrace
  + Profiler
  + FPS, TTI, Memory, CPU, Size
* Security
  + SSL Pining
  + Store Access Token in KeyChain and KeyStore
  + For Authentication, use OAuth PKCE
  + No use Deep Linking
  + Prevent screen shot while going background
  + Code obfuscation
  + Prevent bot attack, ParameterX
  + Prevent rooted and Jailbroken devices to use app
* Scalable
  + Use GQL
  + Bifurcate features in critical and non-critical
* Availability
  + High Availability
* Maintainability
* Budget
* Time

# Others

* 3rd Party Integration
* Code Push
* Offline Support
* Multi Language Support