# Illumination **Deployment Manual v1.0**



# Local Development Setup

## Prerequisites

✅ Node.js (18.17.0 or later)

✅ MongoDB (6.0 or later)

✅ Expo CLI

✅ Git

✅ Clerk Account (for authentication)

## Environment Setup

1. **Clone Repository**



1. **Server Setup**





1. **Database Setup**



1. **Mobile App Setup**



## Running the Application

**Start Backend Server**



**Start Mobile App**





# App Store Deployment (iOS)

## Prerequisites

 Apple Developer Account ($99/year)  Xcode installed

 App Store Connect access  Expo account

## Configuration Steps

1. **Expo Configuration**

Update app.json in your project:



1. **Build Configuration**



## Required Assets

* 1. App Icon (10241024)
  2. Screenshots for:

 iPhone 14 Pro Max  iPhone 14

 iPad Pro

* 1. App Description
  2. Privacy Policy URL
  3. Support URL: [support@tech-titans.com](mailto:support@tech-titans.com)



# Play Store Deployment (Android)

## Prerequisites

 Google Play Developer account ($25 one-time fee)

 Keystore for app signing  Expo account

## Configuration Steps

1. **Generate Keystore**



1. **Update app.json**



1. **Build and Submit**





## Required Assets

* 1. App Icon (512512)
  2. Feature Graphic (1024500)
  3. Screenshots for:

 Phone (10801920)  7-inch tablet

 10-inch tablet

* 1. Privacy Policy URL
  2. Content Rating Documentation



# Environment Variables Reference

**Server (.env)**



**Mobile App (.env)**



# Troubleshooting Guide

## Common Issues

**Local Development**

1. MongoDB Connection Issues



1. Expo Build Issues



1. Environment Variable Issues



**iOS Deployment**

1. Certificate Issues

 Verify certificates in Apple Developer Portal  Regenerate certificates if needed

 Update provisioning profiles

1. Build Failures



**Android Deployment**

1. Keystore Issues

 Verify keystore location

 Check keystore passwords  Backup keystore file

1. Package Name Conflicts

 Ensure unique package name  Update in app.json



# Support and Contact

For technical support:

 Email: [support@tech-titans.com](mailto:support@tech-titans.com)

 Issue Tracker: <https://github.com/htmw/2024F-Tech-Titans/issues>