

## File: ANDROID-CHECKLIST.md

Type: md | Size: 5266 bytes

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# Love Oracle Android Deployment Checklist
Use this checklist to ensure your Android app is ready for submission to the Google Play Store.
## Pre-Submission Checklist
### App Functionality
- [ ] All core features work correctly on Android
- [ ] App handles all screen sizes and orientations appropriately
- [ ] Back button behavior is implemented correctly
- [ ] App functions properly when device is offline or has poor connectivity
- [ ] Memory usage is optimized (no leaks or excessive usage)
- [ ] App handles system interruptions (calls, notifications, etc.)
### Graphics and Assets
- [ ] App icon meets [Google Play requirements](https://developer.android.com/google-play/resources/icon-design-guidelines)
- [ ] Feature graphic (1024 x 500 px) is created for store listing
- [ ] Screenshots (at least 2) are captured for multiple devices
- [ ] All images and media assets are optimized for size
- [ ] Splash screen displays correctly
### Performance
- [ ] App startup time is reasonable (<3 seconds recommended)
- [ ] Scrolling and animations are smooth (60fps)
- [ ] App responds quickly to user input
- [ ] App doesn't drain battery excessively
### AdMob Integration
- [ ] Ad units are correctly configured
- [ ] Test ads are working on test devices
- [ ] Ad frequency is user-friendly
- [ ] Ad-free experience works correctly (for premium users)
- [ ] Child-directed treatment flag is set (if applicable)
- [ ] Privacy policy covers ad data collection
### GooglePlay Requirements
- [ ] App targets Android API level 33 or higher
- [ ] App is tested on multiple Android versions (9.0 and above recommended)
- [ ] Privacy policy URL is prepared
- [ ] Terms of service URL is prepared
- [ ] Developer email contact is valid and monitored
- [ ] App content is appropriate for target audience
- [ ] App complies with [User Data policy](https://play.google.com/about/privacy-security/user-data/)
## Store Listing Requirements
### Metadata
- [ ] App name: "Love Oracle"
- [ ] Short description (< 80 characters)
- [ ] Full description (< 4000 characters)
- [ ] App category: "Lifestyle" and/or "Entertainment"
- [ ] Content rating questionnaire completed
- [ ] Contact details are up to date
### Graphics Required
- [ ] High-res icon (512 x 512 px)
- [ ] Feature graphic (1024 x 500 px)
- [ ] Phone screenshots (at least 2)
- [ ] 7-inch tablet screenshots (if targeting tablets)
- [ ] 10-inch tablet screenshots (if targeting tablets)
### Deployment Info
- [ ] Version name (e.g., "1.0.0")
- [ ] Version code (integer, e.g., 1)
- [ ] Android App Bundle (.aab file) generated
- [ ] App signing key is securely stored
- [ ] Release notes prepared
## Final Testing Before Submission
- [ ] Test the final release APK/AAB on multiple devices
- [ ] Verify that crash reporting is working
- [ ] Verify that analytics are working
- [ ] Perform final usability test with real users
- [ ] Check all third-party API integrations
- [ ] Test with both WiFi and cellular data connection
### Firebase Integration Testing
- [ ] Verify real-time database connections and data persistence
- [ ] Test offline data synchronization
- [ ] Verify Firebase Authentication flows
- [ ] Check Firebase Analytics events are being logged
- [ ] Test data security rules in production mode
- [ ] Verify crash reporting is properly configured
### RevenueCat Integration Testing
- [ ] Verify subscription purchase flows
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- [ ] Test subscription restoration for existing users
- [ ] Verify premium features unlock after subscription
- [ ] Test ad removal functionality with active subscription
- [ ] Verify subscription status persistence after app restart
- [ ] Test subscription management deep links
- [ ] Verify receipt validation
- [ ] Test subscription expiry handling
- [ ] Check subscription status syncing across devices

## Google Play Console Submission

- [ ] Developer account is in good standing
- [ ] App meets the [Google Play Developer Program Policies](https://play.google.com/about/developer-content-p...)
- [ ] App meets the [Google Play Developer Distribution Agreement](https://play.google.com/about/developer-d...)
- [ ] All required metadata is complete
- [ ] All required graphics are uploaded
- [ ] App is properly signed
- [ ] App has proper versioning
- [ ] Target countries/regions are selected
- [ ] Pricing and distribution options are set

## Post-Submission

- [ ] Monitor Google Play Console for review status
- [ ] Address any policy violations or issues flagged during review
- [ ] Prepare marketing materials for app launch
- [ ] Monitor user reviews and feedback
- [ ] Prepare for future updates based on user feedback

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Remember, this checklist is a guide and may not cover all specific requirements for your app. Always refer to ...

## Useful Links

- [Google Play Console](https://play.google.com/console)
- [Android Developer Documentation](https://developer.android.com)
- [Google Play Developer Policy Center](https://play.google.com/about/developer-content-policy/)
- [App signing in Android Studio](https://developer.android.com/studio/publish/app-signing)