

# GanApp Package and Framework Versions

**Last Updated:** December 2024

**Project Version:** 1.0.0

This document lists all packages, frameworks, and their versions used in the GanApp Web and Mobile applications.

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## Core Frameworks

### React

- **Web:** react@^18.2.0
- **Mobile:** react@19.0.0
- **Root:** react@19.0.0

### React DOM

- **Web:** react-dom@^18.2.0
- **Mobile:** react-dom@19.0.0

### React Native

- **Mobile:** react-native@0.79.6

### Expo

- **Mobile:** expo@~53.0.22
- **Root:** expo@~53.0.24

### TypeScript

- **Web:** typescript@^5.2.2
  - **Mobile:** typescript@~5.8.3
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## Web Application Dependencies

### Core Framework & Build Tools

- **Vite:** vite@^5.0.8
- **React Router:** react-router-dom@^6.20.1
- **React Hook Form:** react-hook-form@^7.48.2
- **Zod:** zod@^3.22.4 (validation)
- **Hookform Resolvers:** @hookform/resolvers@^3.3.2

## UI Libraries & Icons

- **Lucide React:** lucide-react@^0.542.0 (icons)
- **Heroicons:** @heroicons/react@^2.2.0
- **Framer Motion:** framer-motion@^12.23.12 (animations)
- **Tailwind CSS:** tailwindcss@^3.4.17

## Rich Text Editors

- **TipTap Core:** @tiptap/react@^3.10.2
- **TipTap Starter Kit:** @tiptap/starter-kit@^3.10.2
- **TipTap Extensions:**
  - @tiptap/extension-color@^3.10.2
  - @tiptap/extension-highlight@^3.10.2
  - @tiptap/extension-image@^3.10.2
  - @tiptap/extension-link@^3.10.2
  - @tiptap/extension-text-align@^3.10.2
  - @tiptap/extension-text-style@^3.10.2
  - @tiptap/extension-underline@^3.10.2
- **Quill:** quill@^2.0.3
- **React Quill:** react-quill@^2.0.0

## Backend & Database

- **Supabase JS:** @supabase/supabase-js@^2.56.1
- **Upstash Redis:** @upstash/redis@^1.35.7
- **JWT Decode:** jwt-decode@^4.0.0

## PDF & Document Generation

- **jsPDF:** jspdf@^3.0.4
- **PDF Lib:** pdf-lib@^1.17.1
- **HTML2PDF.js:** html2pdf.js@^0.12.1
- **HTML2Canvas:** html2canvas@^1.4.1

## QR Code Generation

- **QRCode:** qrcode@^1.5.4

## Data Processing

- **PapaParse:** papaparse@^5.5.3 (CSV parsing)
- **XLSX:** xlsx@^0.18.5 (Excel files)

## Charts & Visualization

- **Recharts:** recharts@^2.8.0

## Utilities

- **DOMPurify:** dompurify@^3.3.1
- **SweetAlert2:** sweetalert2@^11.26.10
- **Type Definitions:**
  - @types/dompurify@^3.0.5

# Mobile Application Dependencies

## Core Framework

- **Expo Router:** expo-router@~5.1.5
- **React Navigation:**
  - @react-navigation/native@^7.1.6
  - @react-navigation/bottom-tabs@^7.3.10
  - @react-navigation/drawer@^7.3.9
  - @react-navigation/elements@^2.3.8

## Expo Modules

- **expo-blur:** ~14.1.5
- **expo-clipboard:** ~7.1.5
- **expo-constants:** ~17.1.7
- **expo-document-picker:** ^14.0.7
- **expo-file-system:** ~18.1.11
- **expo-font:** ~13.3.2
- **expo-haptics:** ~14.1.4
- **expo-image:** ~2.4.0
- **expo-image-manipulator:** ^14.0.7
- **expo-image-picker:** ~16.1.4
- **expo-intent-launcher:** ^13.0.7
- **expo-linear-gradient:** ^15.0.7
- **expo-linking:** ~7.1.7
- **expo-media-library:** ~17.1.7
- **expo-notifications:** ^0.29.14
- **expo-router:** ~5.1.5
- **expo-secure-store:** ~14.2.4
- **expo-sharing:** ~13.1.5
- **expo-splash-screen:** ~0.30.10
- **expo-sqlite:** ^16.0.10
- **expo-status-bar:** ~2.2.3
- **expo-symbols:** ~0.4.5
- **expo-system-ui:** ~5.0.11
- **expo-web-browser:** ~14.2.0

## Camera & QR Code

- **React Native Vision Camera:** react-native-vision-camera@^4.7.2
- **React Native QR Code SVG:** react-native-qrcode-svg@^6.3.20

## Storage & Data

- **Async Storage:** @react-native-async-storage/async-storage@^2.2.0
- **Supabase JS:** @supabase/supabase-js@^2.57.2
- **JWT Decode:** jwt-decode@^4.0.0

## UI Components & Styling

- **NativeWind:** nativewind@^4.1.23 (Tailwind for React Native)
- **Tailwind CSS:** tailwindcss@^3.4.17

- **React Native SVG:** react-native-svg@^15.15.0
- **React Native Safe Area Context:** react-native-safe-area-context@^5.6.1
- **React Native Screens:** react-native-screens@~4.11.1
- **React Native Gesture Handler:** react-native-gesture-handler@~2.24.0
- **React Native Reanimated:** react-native-reanimated@~3.17.4
- **React Native Web:** react-native-web@~0.20.0
- **React Native WebView:** react-native-webview@13.13.5
- **React Native Render HTML:** react-native-render-html@^6.3.4

## Image Processing

- **React Native Image Picker:** react-native-image-picker@^8.2.1
- **React Native Image Resizer:** react-native-image-resizer@^1.4.5
- **React Native Image Marker:** react-native-image-marker@^1.2.9
- **React Native View Shot:** react-native-view-shot@^4.0.3

## Utilities

- **Clipboard:** @react-native-clipboard/clipboard@^1.16.3
- **NetInfo:** @react-native-community/netinfo@^11.4.1
- **Keyboard Aware Scroll View:** react-native-keyboard-aware-scroll-view@^0.9.5
- **MIME:** mime@^4.1.0
- **SweetAlert2:** sweetalert2@^11.26.10

## Icons

- **Expo Vector Icons:** @expo/vector-icons@^14.1.0
- **Heroicons:** @nandorojo/heroicons@^0.3.0

## Development Tools

- **Prettier Plugin Tailwind:** prettier-plugin-tailwindcss@^0.5.14

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## Shared Dependencies

### Backend Services

- **Supabase JS:**
  - Web: @supabase/supabase-js@^2.56.1
  - Mobile: @supabase/supabase-js@^2.57.2

### Authentication & Security

- **JWT Decode:** jwt-decode@^4.0.0 (both web and mobile)

### UI Components

- **SweetAlert2:** sweetalert2@^11.26.10 (both web and mobile)
- **Tailwind CSS:** tailwindcss@^3.4.17 (both web and mobile)

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## Development Dependencies

### Web Development Dependencies

#### Testing

- **Vitest:** vitest@^4.0.16
- **Vitest UI:** @vitest/ui@^4.0.16
- **Testing Library React:** @testing-library/react@^16.3.1
- **Testing Library Jest DOM:** @testing-library/jest-dom@^6.9.1
- **Testing Library User Event:** @testing-library/user-event@^14.6.1
- **jsdom:** jsdom@^27.3.0

#### Build Tools

- **Vite Plugin React:** @vitejs/plugin-react@^4.2.1
- **PostCSS:** postcss@^8.4.32
- **Autoprefixer:** autoprefixer@^10.4.16

#### Type Definitions

- **@types/react:** ^18.2.43
- **@types/react-dom:** ^18.2.17

### Mobile Development Dependencies

#### Build Tools

- **Babel Core:** @babel/core@^7.25.2

#### Linting

- **ESLint:** eslint@^9.25.0
- **ESLint Config Expo:** eslint-config-expo@~9.2.0

#### Type Definitions

- **@types/react:** ~19.0.10

### Root Development Dependencies

- **rimraf:** rimraf@^5.0.0 (file deletion utility)
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## Build Tools & Configuration

### Web Application

#### Build System

- **Vite:** ^5.0.8
- **Vite Plugin React:** ^4.2.1

#### CSS Processing

- **PostCSS:** ^8.4.32
- **Autoprefixer:** ^10.4.16
- **Tailwind CSS:** ^3.4.17

#### TypeScript Configuration

- **Target:** ESNext
- **Module:** ESNext
- **JSX:** react-jsx
- **Strict Mode:** Enabled

### Mobile Application

## Build System

- **Expo SDK:** 53.0.22
- **Metro Bundler:** Used for web output

## TypeScript Configuration

- **Extends:** expo/tsconfig.base
- **Strict Mode:** Enabled
- **JSX:** react-jsx

## Expo Configuration

- **New Architecture:** Enabled
  - **Typed Routes:** Enabled (experimental)
  - **Orientation:** Portrait
  - **iOS Support:** Tablet supported
  - **Android Edge-to-Edge:** Enabled
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## System Requirements

### Node.js & npm

- **Node.js:** >=16.0.0 (required)
- **npm:** >=8.0.0 (required)

### Web Application Runtime

- **Modern Browsers:**
  - Chrome 90+
  - Firefox 88+
  - Edge 90+
  - Safari 14+

### Mobile Application Runtime

#### iOS

- **Minimum iOS Version:** iOS 13.0+
- **Devices:** iPhone 6s or later, iPad (5th generation) or later
- **Xcode:** Latest version recommended

#### Android

- **Minimum Android Version:** Android 8.0 (API level 26)+
  - **Android Studio:** Latest version recommended
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## Package Management

### Installation Commands

#### Install All Dependencies

```
npm run install:all
```

#### Web Application Only

```
cd apps/Web  
npm install
```

## Mobile Application Only

```
cd apps/Mobile  
npm install
```

## Lock Files

- **Web:** apps/Web/package-lock.json
- **Mobile:** apps/Mobile/package-lock.json
- **Root:** package-lock.json

## Version Update Policy

### Major Updates

- Review breaking changes before updating
- Test thoroughly in development environment
- Update documentation if APIs change

### Minor & Patch Updates

- Generally safe to update
- Review changelogs for known issues
- Test critical features after updates

### Security Updates

- Apply immediately
- Review security advisories
- Test affected features

## Notes

### Version Differences

- **React:** Web uses React 18.2.0, Mobile uses React 19.0.0
- **Supabase:** Minor version difference between web (2.56.1) and mobile (2.57.2)
- **TypeScript:** Web uses 5.2.2, Mobile uses 5.8.3

### Compatibility

- All packages are compatible with their respective frameworks
- Expo SDK 53 is compatible with React Native 0.79.6
- Vite 5.x supports React 18.x

### Known Dependencies

- Some packages may have peer dependencies not listed here
- Check individual package documentation for complete dependency trees
- Use `npm list` to view installed versions in your environment

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## Maintenance

### Regular Updates

- Review dependencies monthly for security updates
- Update minor versions quarterly
- Major version updates require thorough testing

### Dependency Audit

```
# Check for vulnerabilities
```

```
npm audit
```

```
# Fix vulnerabilities
```

```
npm audit fix
```

```
# Check outdated packages
```

```
npm outdated
```

### Version Pinning

- Production builds should use exact versions or lock files
- Development can use caret (^) or tilde (~) ranges
- Critical packages should be pinned to specific versions

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**Maintained By:** GanApp Development Team