

- Scope: Applies to the entire system, including the frontend (React Native), backend (Django REST Framework), and database (PostgreSQL).
- Objectives: Ensure consistency, tracking, and management of versions, updates, and configurations.



Items:

- Backend API (Django REST Framework)
- Frontend (React Native App)
- Database Schema (PostgreSQL)
- Infrastructure Configurations (Replit, Hosting, Deployment settings)

Control Methods:

- Git and GitHub for version control
- Branching strategy: main, dev, feature branches

Plan Maintenance and Updates

Update Procedures: Regular updates based on bug fixes, features, and security patches, Maintain frontendbackend compatibility

Maintenance Schedule: Monthly code reviews and dependency updates

Version Configuration

Audits and Reports

Audit Processes:

- Code reviews before merging PRs
- Regular security and performance auditsReport
- Generation: Automated test reports
- Release notes for each version update

Optimization

Roles:

- Backend Developer: Manages API and database
- Frontend Developer: Handles UI and app
- DevOps/Deployment Manager: Ensures stable releases

Tools:

- GitHub for version control
- Docker for containerization
- CI/CD for automated deployment

Change and Version
Management

Change Procedures:

- Test changes in the dev branch before merging to main
- All changes must go through pull request (PR) review

Version Tracking:

- Use Semantic versioning (MAJOR.MINOR.PATCH)
- Tag releases in Git