

HRMI System Technical Specification

V 0.2

Technical documentation for the HRMI Rights Tracker

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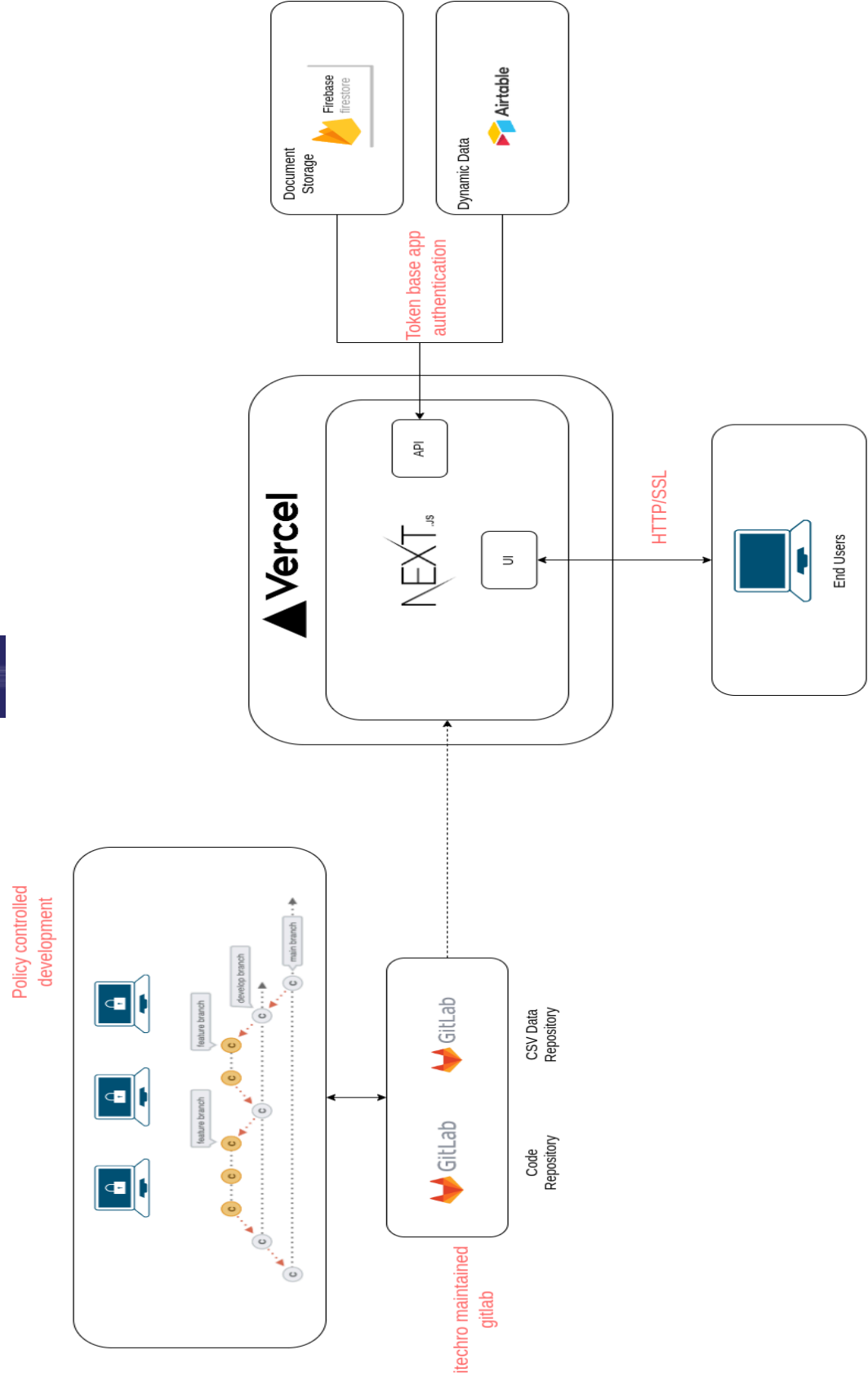
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System Technical Specification			
Client :	Human Rights Measurement Initiative (HRMI)	Product Title :	Rights Tracker
Prepared By :	Itechro Australia (Pvt) Limited	Date Created :	February 27, 2023
Reviewed By : Technical Lead			

Access URL	
UAT	https://rights-tracker-uat.vercel.app/
Live	https://rightstracker.org/en

Supporting Browsers and Versions	
Google Chrome	Version 110.0.5481.177
Microsoft Edge	Version 110.0.1587.56
Brave	Version v1.48.171
Firefox	Version 109.0
Safari	Version 16.3

Technical Stack	
Technology / Tools	Purpose
Node	JavaScript runtime environment.
Next js	Framework for building server-rendered static web pages using React features.
Redux	Javascript library to manage app state and share data between components.
HTML5	Markup language for web pages.
CSS	Styling html web pages.
Typescript	A language that builds on JavaScript by adding types and type-checking.
Airtable	Relational database tool with a spreadsheet interface.
Firestore	Platform that provides cloud storage.
Eslint	Static code analysis and quality checking tool.
Prettier	Code formatting tool.
Husky	Improve theImprove quality of code commits.
VS Code	Code editor.
Vercel	Static web hosting platform.
GitLab	Web-based Git repository that used to source code control.



Adhering Open Code Standards

Following coding standards are applied to the system while coding, deploying, testing and maintenance.

Accessibility

- WCAG 2.0/2.1 (Web Content Accessibility Guidelines)

Security

- ISO/IEC 27001 (Information Security Management)
- HTTPS
- SSL
- SSH

Internationalization (i18n)

- ISO-8859-1
- ASCII

Web standards

- HTML
- CSS
- ECMAScript (ES 5)

Application Programming Interfaces (APIs)

- OpenAPI

Data Exchange/ Configuration formats

- JSON

- CSV

Software Testing

- ISO/IEC/IEEE29119

Business Process Modelling

- BPMN 2.0

Standard Content formats

- PDF

Multimedia

- SVG (Scalable Vector Graphics)
- PNG (Portable Network Graphics)
- JPEG (Joint Photographic Experts Group)