Presentation

Business Logic (REST API)

Persistence

Presentation layer:
- User
- Login Page
- Dashboard Page
- Task Manager Page
- Medication Tracker Page
- Patient Profile Page
- Caretaker Notes Page
- User Profile Page

Business Logic (REST API) layer:
- Auth Manager
- Access Control
- Data Formatting — Reading/Fetching Data:
- Data Validation — Writing Data:
- Data Repository

Persistence layer:
- Data Mapper
- Query Logic
- Firebase

Connections / labels:
- User → Login Page
- Login Page → Dashboard Page: Redirect
- Dashboard Page → Patient Profile Page: Redirect
- GET /api/dashboard-summary
- GET /api/tasks
- POST /api/tasks
- GET /api/medications
- POST /api/medications
- GET /api/patients/:id
- PATCH /api/patients/:id
- GET /api/notes
- POST /api/notes
- GET /api/users/:id
- PUT /api/users/:id
- POST /api/auth/login
- Session Token
- Auth Manager → Access Control: Request
- Access Control → Auth Manager: Results
- Data Formatting → Access Control: Results
- Data Repository → Data Formatting: Results
- Access Control → Data Repository: Get Request
- Access Control → Data Validation: Request
- Data Validation → Data Repository: Request
- Verify login request
- Data Repository → Data Mapper: Data Action
- Data Mapper → Data Repository: Results
- Data Mapper → Query Logic: Translated Data
- Query Logic → Data Mapper: Results
- Query Logic → Firebase: Query
- Firebase → Query Logic: Results