This is a technical guide on how the data base , ORM, backend, and front end work for this application.

**Exposed API 🡪 ORM 🡪 Database:**

**The API Endpoints of the project are exposed here.**

*\reimbursementAPP\Reimbursement\_Vuetify\_Go\GolangPostGresBE\routes\routes.go*

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*This is where all new endpoints will be listed. Currently all endpoints logic is in the controllers/AuthControllers.go file. (This can be abstracted out to separate files later if need be.)*

**Reviewing the logging in endpoint, backend validation, and creation of JWT in cookie response.**

*Below is backend validation before JWT is created.*

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*Once validation is finished JWT is created and returned as a cookie.*

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**Using GORM (GO’s Object Relational Mapper)**

Main.go calls ConnectToDB function. When application is first started.

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Once connected to Database GORM automatically creates and connects to the data transition objects (DTO’s).

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Example of DTOs

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You can now call GORM methods to access database.

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**Authentication User via JWT cookie before performing logic.**

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Example 2 (Could be abstracted out into a single method…)

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**Frontend VueX Store.**

**The VueX store allows you to store states of variables to be referenced through out the application.**

The state is the variables property, the mutation is a setter, and the getter is just that a getter.

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When the Dashboard component is created it called the get User API by passing in the JWT Cookie.

The Backend responds with the users ID and whether they are an Admin or a Regular User.

We then store this data in the VueX store.

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**Vue Router via VueX store.**

The routing functionality references the VueX store to verify if the user is logged in or already logged in.Text

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Routes check this logic before proceeding.

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Dashboard displays based on these vueX store properties.

A screenshot of a computer

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