




The Cryptocurrency Trader Game

Guilherme, Yulia, Christian & Jorge



Distribution of tasks: front-end

	<i>Guilherme</i>	<i>Jorge</i>
Selected role	Full Stack	Full Stack
Main Tasks	<ul style="list-style-type: none">• SPA design with Vue.js based on single file components• Routing• CRUD-views authentication using Vue routing• Pagination• Ajax request to back-end service	<ul style="list-style-type: none">• Project lead• Documentation• Tasks follow-up• Project communication and coordination
Supports with	-	<ul style="list-style-type: none">• SPA design/components• Implementation of Chart.js

Distribution of tasks: back-end

	<i>Yulia</i>	<i>Christian</i>
Selected role	Back-end	Back-end
Main Tasks	<ul style="list-style-type: none">● Database design and creation● MVC pattern: Controllers● Endpoints creation● MVC pattern: Models● ORM Sequelize● Ajax request to third-party API● README file	<ul style="list-style-type: none">● Database design and creation● MVC pattern: Controllers● Endpoints creation● MVC pattern: Routers● Authentication with JWT● Route protection middleware● Ajax request to third-party API● README file
Supports with	-	-

Lessons Learned

Front-end:

- Creation of SPA with Vue using single components
- Data exchange between views thanks to “props”
- Emitting custom events from child to parent views to handle changes
- Route protection with Vue router

Back-end:

- Use of ORM Sequelize with the db
- Use of CORS in Express when serving requests from ports external to node project
- WebSocket as an alternative to HTTP protocol

Difficulties found

Front-end:

- Installation of modules and Vue loaders to use scss/sass.
- Integration with Bootstrap/BootstrapVue/ Bootstrap Icons
- Understanding cryptocurrency API
- Formatting historical data with Chart.js
- Implementing Buy/Sell feature

Back-end:

- Understanding that pending requests from frontend were due to CORS.
- Using websocket to listen from API instead of requesting data (polling)
- Image upload and storage with library multer
- Email sendout from node
- Associating tables with relations with Sequelize