

# GUI Design Document

**Team Name:** Magic Square No Magic

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## Structure

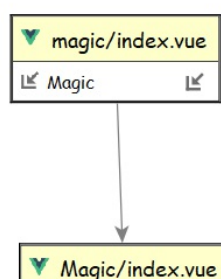
### Directory Tree

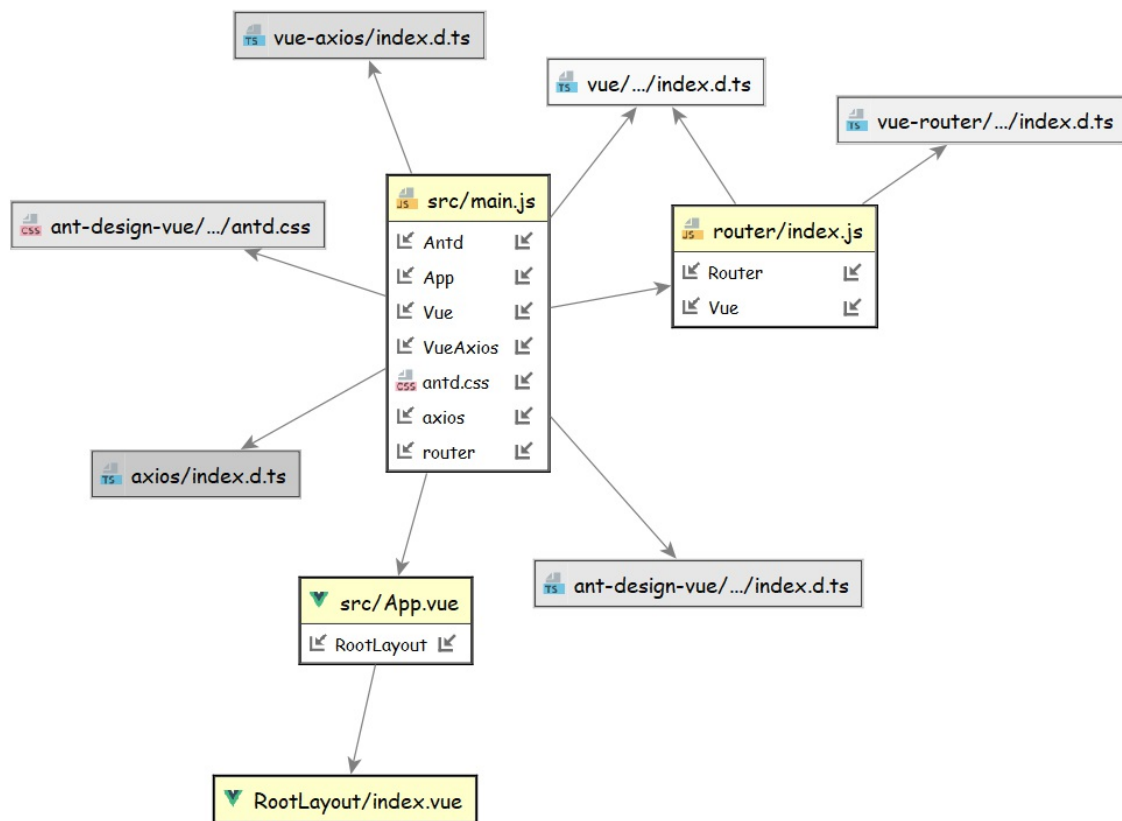
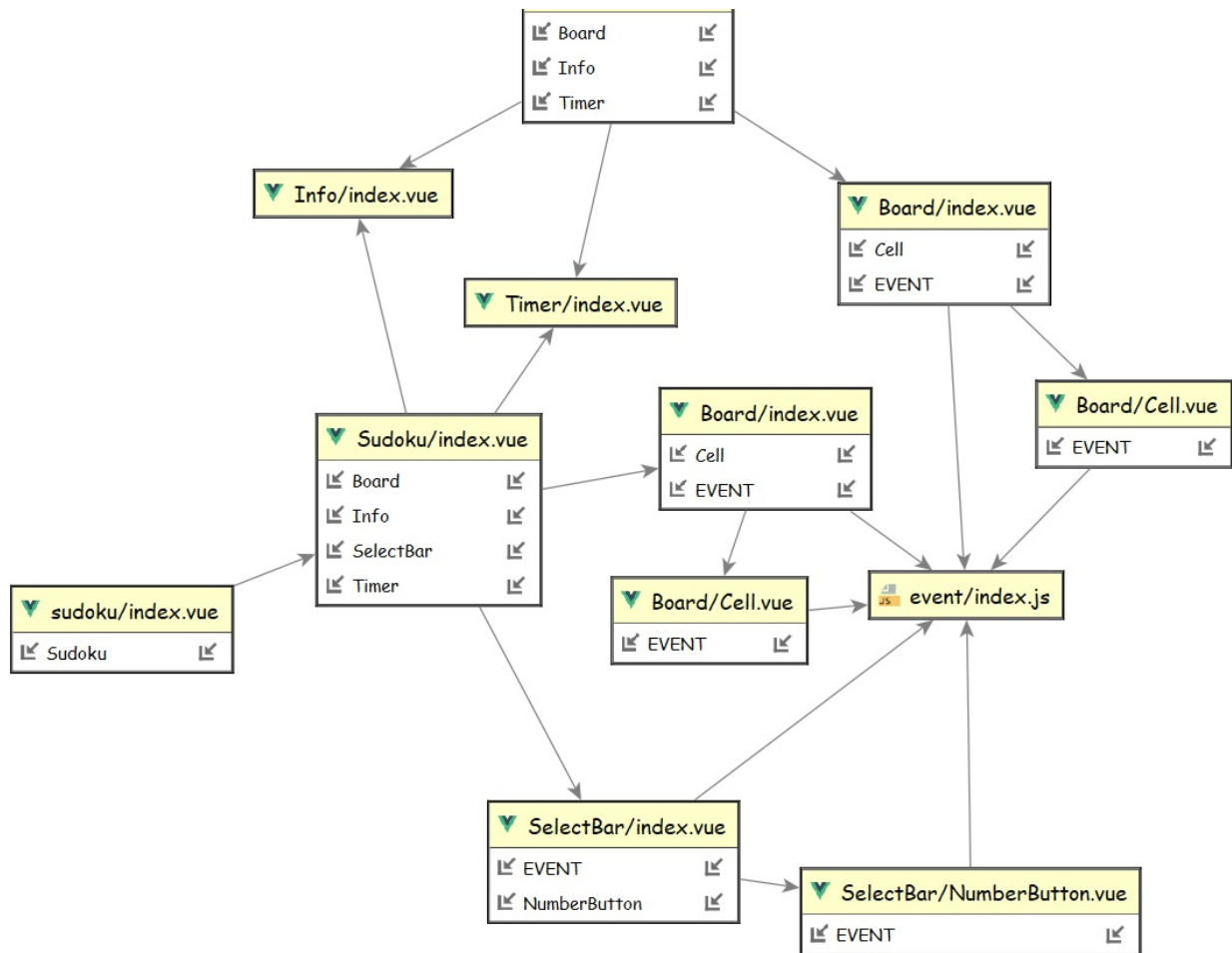
```

src
├── App.vue
├── assets
│   └── logo.png
├── components
│   ├── event
│   │   └── index.js
│   ├── HelloWorld.vue
│   ├── Info
│   │   └── index.vue
│   ├── Magic
│   │   ├── components
│   │   │   └── Board
│   │   │       ├── Cell.vue
│   │   │       └── index.vue
│   │   └── index.vue
│   ├── RootLayout
│   │   └── index.vue
│   ├── Sudoku
│   │   ├── components
│   │   │   ├── Board
│   │   │   │   ├── Cell.vue
│   │   │   │   └── index.vue
│   │   │   └── SelectBar
│   │   │       ├── index.vue
│   │   │       └── NumberButton.vue
│   │   └── index.vue
│   └── Timer
│       └── index.vue
├── main.js
├── page
│   ├── magic
│   │   └── index.vue
│   ├── mrule
│   │   └── index.vue
│   ├── srule
│   │   └── index.vue
│   └── sudoku
│       └── index.vue
└── router
    └── index.js

```

## UML





# Technical Stack

- Vue.js
- Websocket
- Axios
- Ant Design

# Features

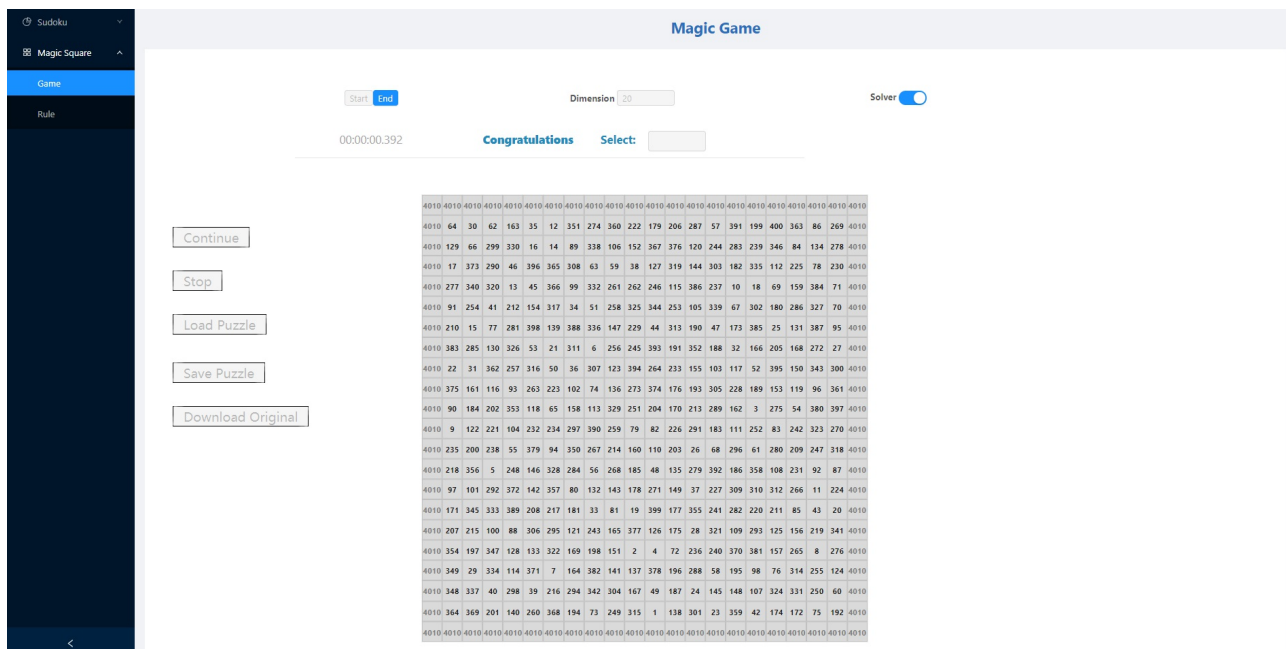
- Separation of back end and front end
- RESTful API
- Artistic and easy to access
- Real-time interaction between back end and front end
- Customized logo

# Core Components

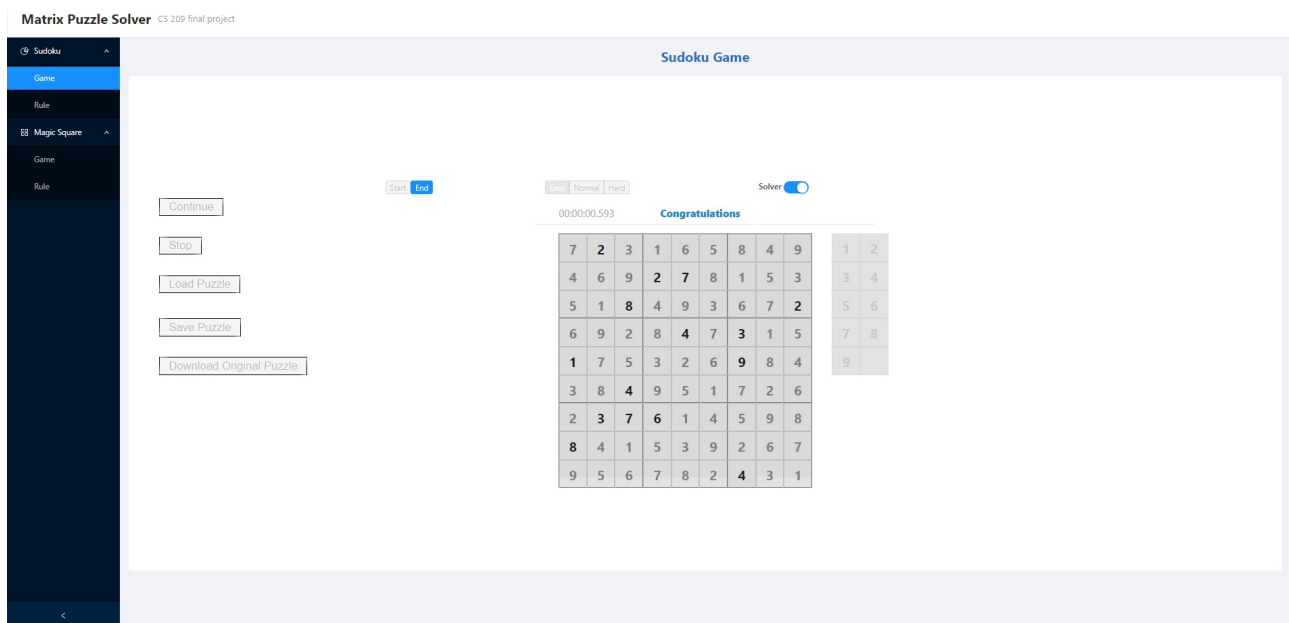
- Timer: Recording time for the solving process.
- Info: Messages during the game and after the game is completed.
- Magic: Necessary magic square elements.
- RootLayout: The layout of the whole front end.
- Sudoku: Necessary sudoku elements.

# UI

## Magic Square



## Sudoku



## Acknowledgement

Thanks to [17881055/vue-sudoku \(https://github.com/17881055/vue-sudoku\)](https://github.com/17881055/vue-sudoku). Our work is based on this repository.