

Flight Surety Report

Setup and Run

Install

This repository contains Smart Contract code in Solidity (using Truffle), tests (also using Truffle), dApp scaffolding (using HTML, CSS and JS) and server app scaffolding.

To install, download or clone the repo, then:

```
npm install truffle compile
```

Develop Client

To run truffle tests:

```
truffle test ./test/flightSurety.js truffle test ./test/oracles.js
```

To use the dapp:

```
truffle migrate npm run dapp
```

To view dapp:

```
http://localhost:8000
```

Develop Server

```
npm run server truffle test ./test/oracles.js
```

Deploy

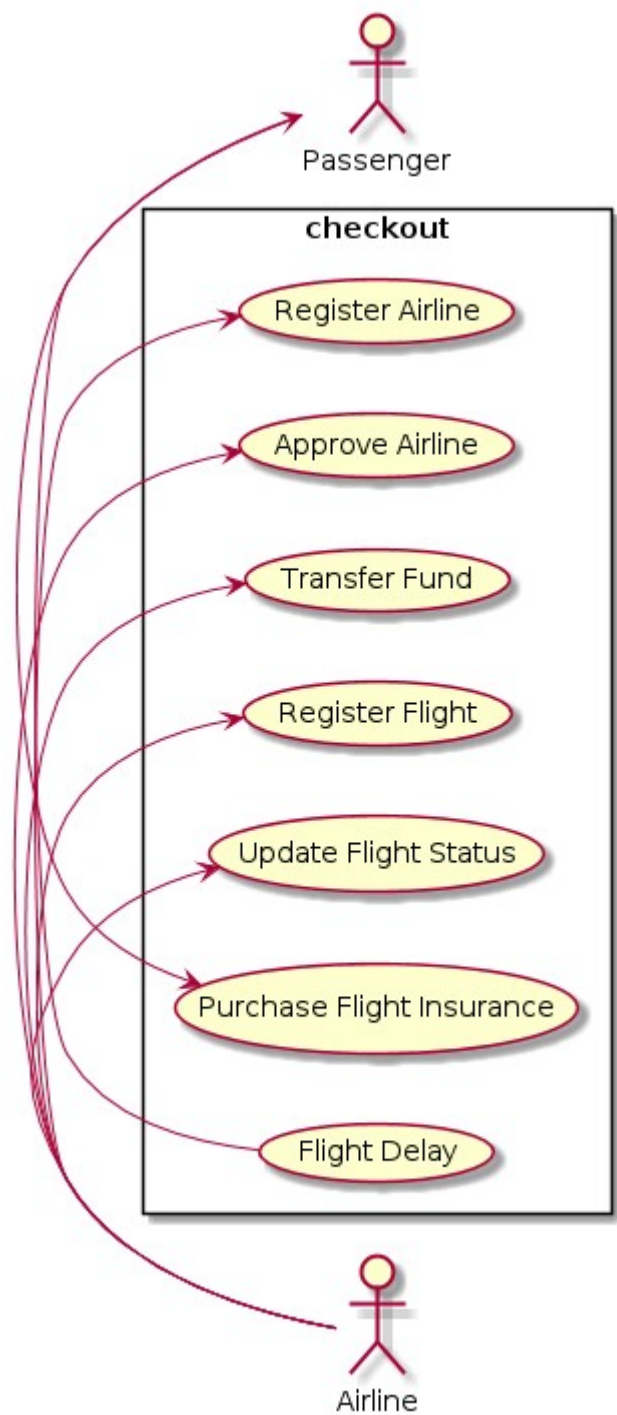
To build dapp for prod: `npm run dapp:prod`

Deploy the contents of the ./dapp folder

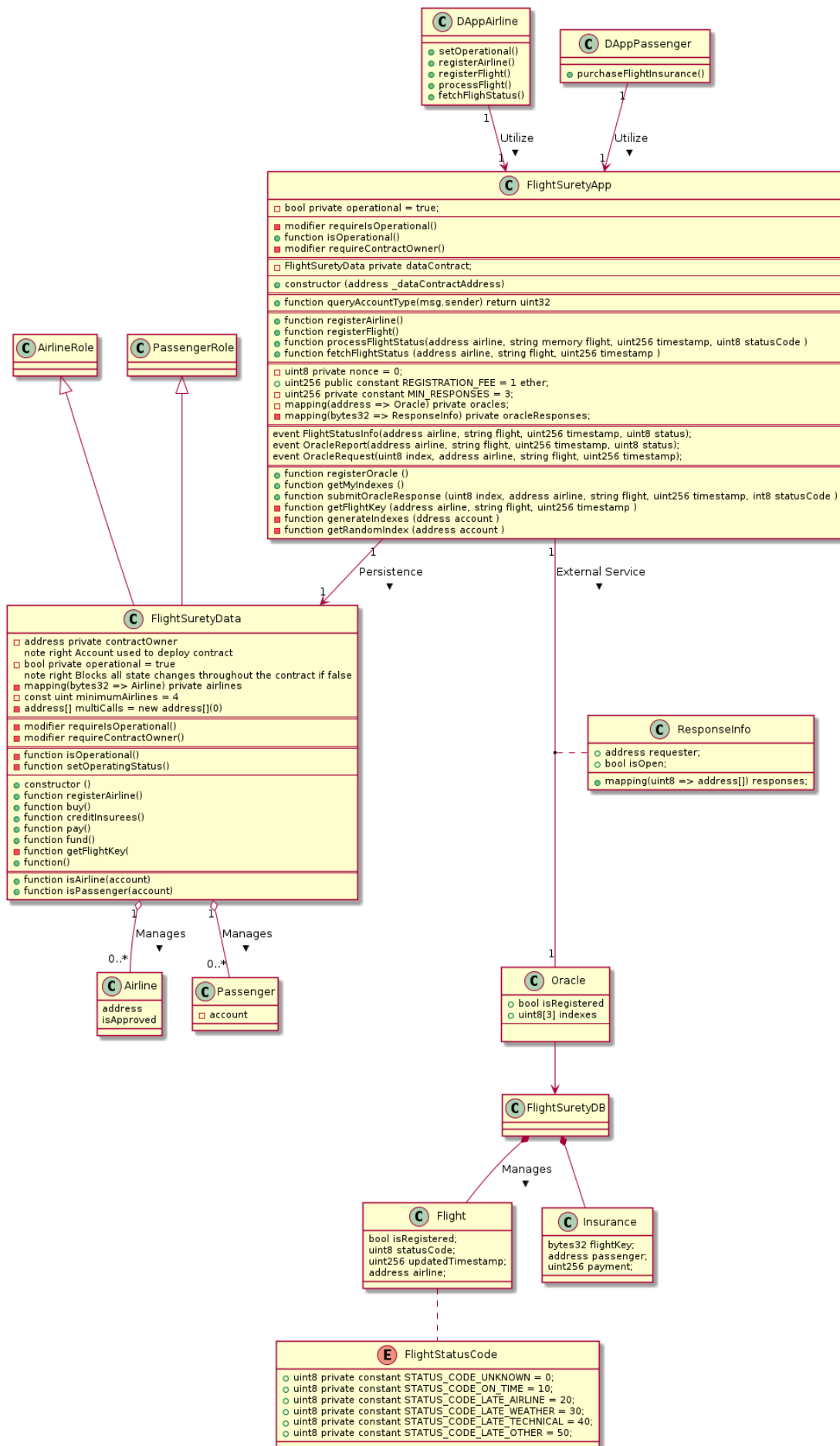
Resources

- [How does Ethereum work anyway?](#)
- [BIP39 Mnemonic Generator](#)
- [Truffle Framework](#)
- [Ganache Local Blockchain](#)
- [Remix Solidity IDE](#)
- [Solidity Language Reference](#)
- [Ethereum Blockchain Explorer](#)
- [Web3js Reference](#)

Use Cases

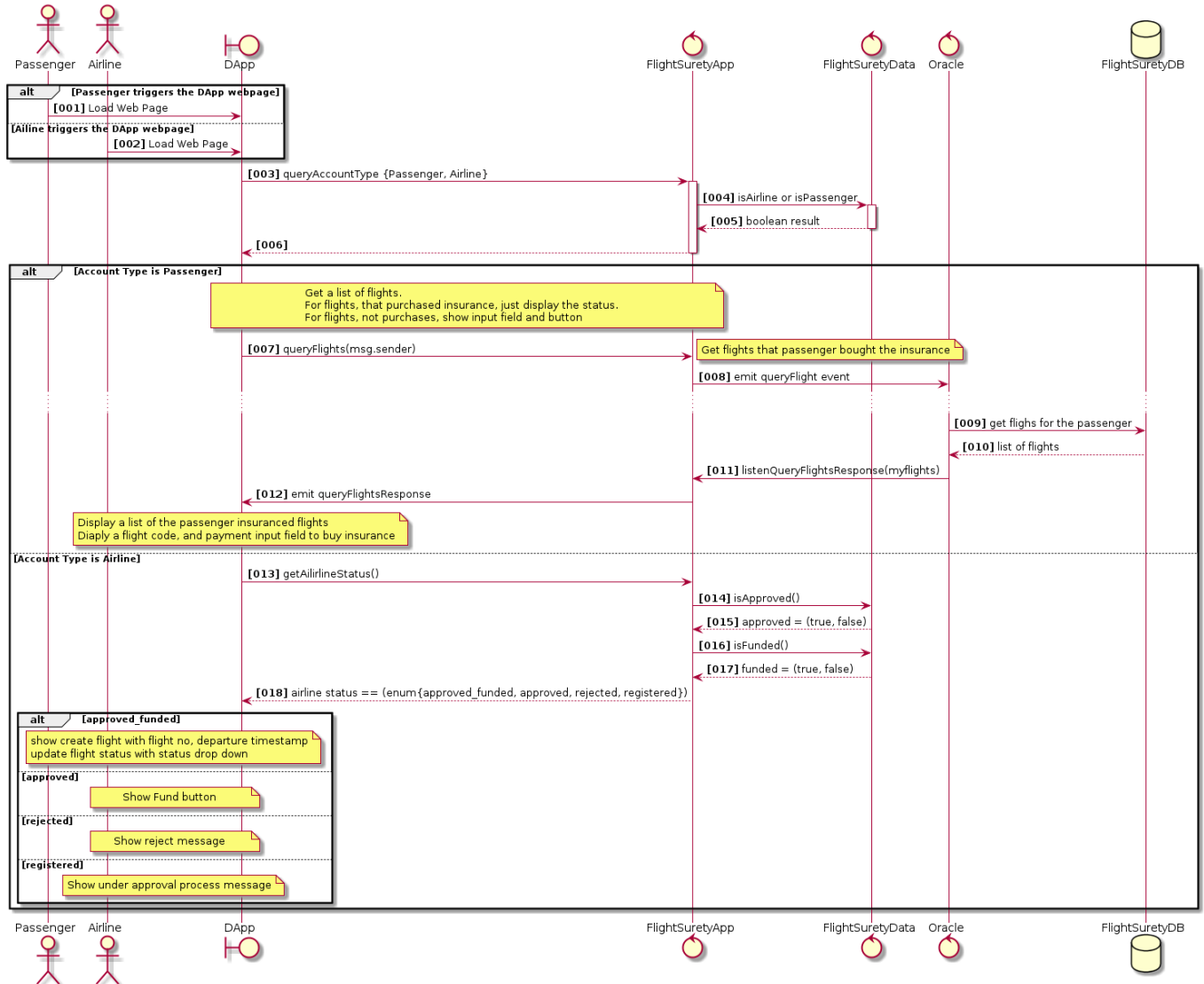


Class Diagram

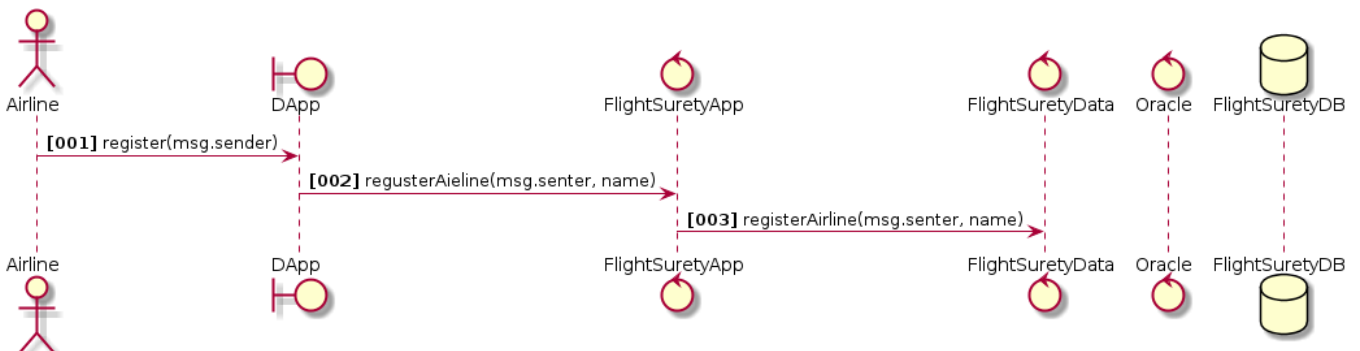


Operation Design

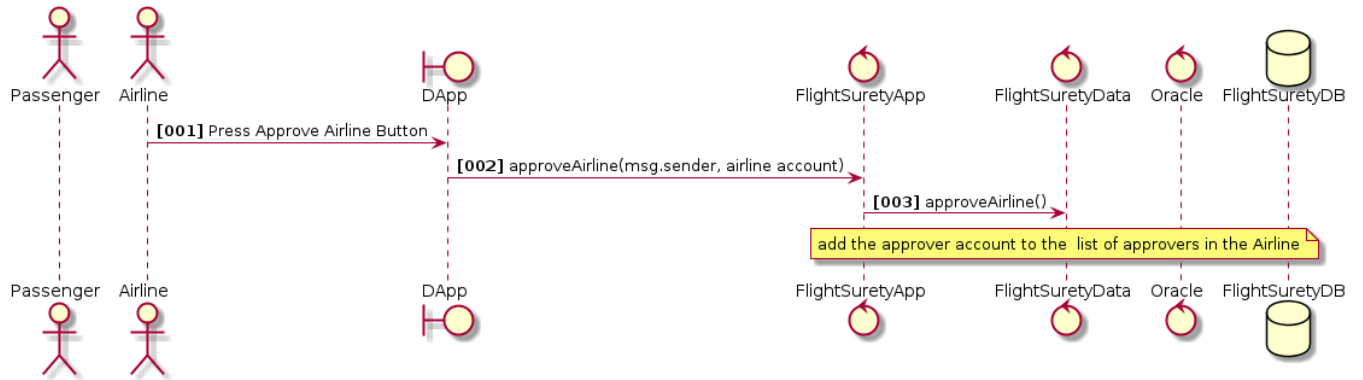
Initial DApp Web Page



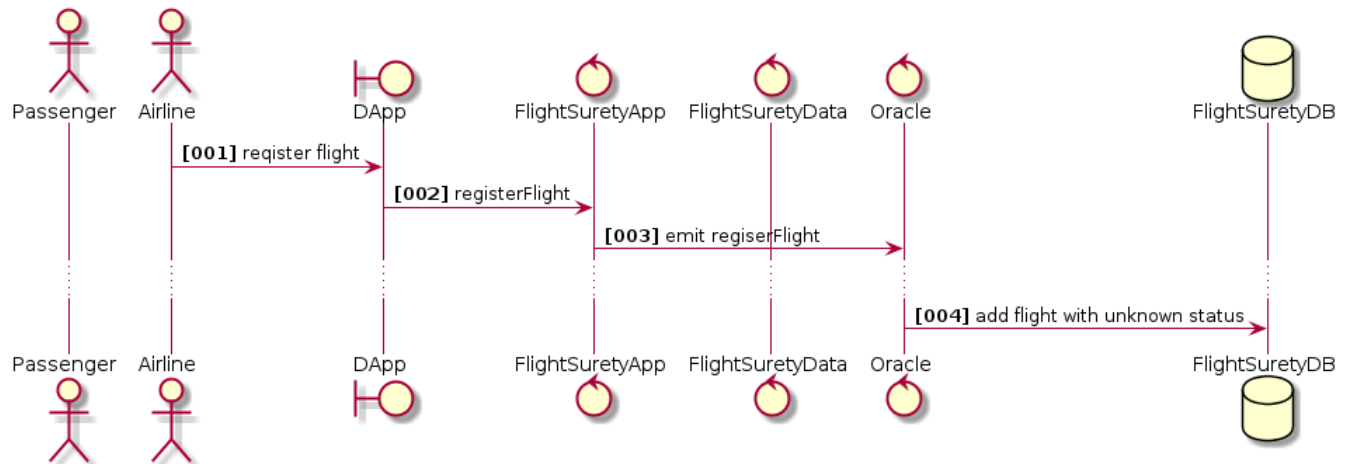
Register Airline



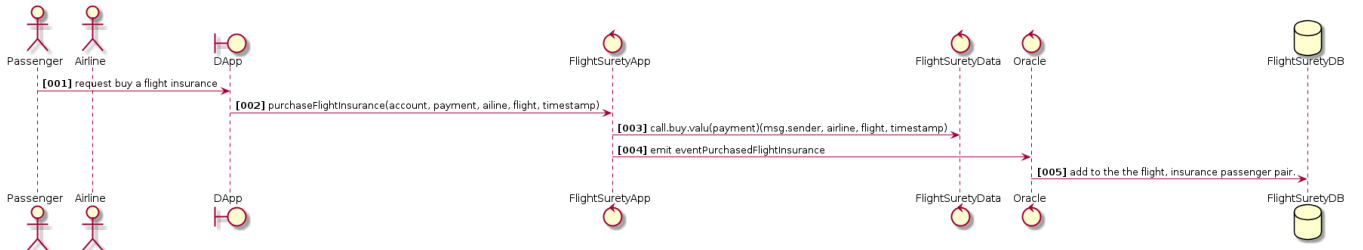
Approve Airline



register Flight



Buy Insurance



Update Flight Status

