Train Ticket Demo's Quality Attributes

Modifiability:
The developer wants to add a new payment configuration at design time. To add a new payment method, a new page that shows all the payment's configuration needed to be created. This new added configuration might take more than 2 hours of effort.

Stimulus source: Developer
Artifact: Payment Configuration
Stimulus: add
Environment: design time
Response: new added configuration
Response measure: 2 hours of effort

Source code: src.main.java.edu.drexel.TrainDemo.controllers.payments

Security:
In order for an unregistered user to be able to search ticket from the system's database, he must sign into the system using either a Github account or a Google account when the system is connected to network. Otherwise, all data are blocked from unauthorized access. All of unauthorized access will be blocked.

Stimulus source: Unregistered User
Artifact: System Database
Stimulus: Search Ticket
Environment: Connected to network
Response: all data are blocked
Response measure: All of unauthorized access will be blocked

Source code: src.main.java.edu.drexel.TrainDemo.configurations

Interoperability:
The system wants to search for the itineraries' time based on the start locations and destinations during run time. From the chosen stations, the system will find the information from the database and then return the search results. The search results are 100% exchanged correctly.

Stimulus source: The System
Artifact: Database
Stimulus: Search for the itineraries' time
Environment: during run time
Response: Return the search results
Response measure: 100% exchanged correctly

Source code: src.main.java.edu.drexel.TrainDemo.controllers.search