Ticket Service Assignment

## Introduction

The Readme document will show you the design and source code structure of the ticket service system, and how to run the automation code. For this assignment, the focus was on creating automated tests for the ticket service. The actual REST-based ticket server is a trivial implementation and primarily to provide something to test against.

## Ticket Service System

The ticket service system includes 3 parts: automation, simple REST API and ticket service server

Ticket Service Server

REST API

Automation function

## Automation Framework

The automation source code has been implemented in java with the BDD (behaviour-driven-development) Cucumber framework.

I used the Eclipse IDE with the Maven build system.

There are 3 feature files that include all test cases for the ticket service system. One java file includes the implementation for all the cucumber steps.

**3 cucumber feature files:**

ticket\_service/src/test/resources/com/walmart/ticket\_service/seats\_available.feature

ticket\_service/src/test/resources/com/walmart/ticket\_service/seats\_hold.feature

ticket\_service/src/test/resources/com/walmart/ticket\_service/seats\_reserve.feature

**1 automation step definition file:**

ticket\_service/src/test/java/com/walmart/ticket\_service/SeatsStepDefs.java

**1 run automation class**:

ticket\_service/src/test/resources/com/walmart/ticket\_service/RunTest.java

**1 REST API file:**

ticket\_service/src/test/resources/com/walmart/ticket\_service/InMemoryTicketServer.java

3 ticket service server files:

ticket\_service/src/main/java/com/walmart/ticket\_service/SeatResource.java

ticket\_service/src/main/java/com/walmart/ticket\_service/SeatHold.java

ticket\_service/src/main/java/com/walmart/ticket\_service/ReservationResource.java

## How to Run

After importing the maven POM file into Eclipse, click on the file “RunTest.java” under directory

“ticket\_service /src/test/java/com/walmart/ticket\_service/”, then go to “Run => Run As => JUnit Test.