

# TDD Frequent Flyer Application

## Vision

The purpose of this application is to manage frequent flyers for **Trans-Domestic Deals Airline (or TDD Air)**.

The company has recently implemented a program that assigns status to flyers that become members. Status is set and adjusted according to the number of miles a flyer has flown within a calendar year.

Some benefits to membership include priority stand-by list placement and the ability to buy seat upgrades at reduced cost.

All flyers fall in to the following categories:

- **Untested** - customers that have not yet become members of the TDD Air frequent flyer program.
- **Red** - members that have 0-25 thousand miles flown with TDD Air within the calendar year. All new members start here. 1 upgrade = 10,000 miles or \$100
- **Green** - members that have 25-50 thousand miles flown within the calendar year. 1 upgrade = 9,000 miles or \$90
- **Blue** - members that have 50-75 thousand miles flown within the calendar year. 1 upgrade = 8,000 miles or \$75.
- **Golden** - these are the top members of the TDD Air frequent flyer program. They have over 75 thousand miles flown and the airline considers them tried and **tested**. 1 upgrade = 7,000 miles or \$60.

Once a member completes a flight, the miles get assigned to their account. As soon as they receive enough miles to reach the next level, they are immediately upgraded to that level.

At the beginning of each year, a flyer's status is automatically renewed based on how many miles were flown in the previous year. If they do not have enough miles to retain their current level, they are only downgraded to the previous level, regardless of how few miles they have.

So a member that flies 75,000 miles in year 1, immediately becomes Golden. They will retain that status for all of year 2. If they never flew again in their life, they will only be downgraded to Blue at the start of year 3, to Green for year 4, then to Red for year 5. They will retain Red status for as long as they are a member.

## Solution

Work with the stakeholder(s) to define the acceptance criteria for their most valuable features. Furthermore, provide visibility in to the progress of features being developed by using an automated acceptance testing tool.

