

# Application: Piloto

## User Story Map

|            | Access Application       | Prepare Data<br>(Data Pilot) | Build & Train<br>Model<br>( ML Hanger) | Test<br>Model Accuracy<br>(Flight Test) | Predict Grade<br>(Navigator) | Monitor and Maintain        |
|------------|--------------------------|------------------------------|--|---|------------------------------|-----------------------------|
| User tasks | Login                    | Select Data Pilot            | Select Hanger                          | Select Flight Test                      | Select Navigator             | Select Maintain and Monitor |
| Release 1  | Enter username           | Data Pilot Introduction      | ML Hanger Introduction                 | Flight Test Introduction                | Flight Test Introduction     | Go through Monitoring       |
|            | Enter password           | Go through Data Pilot        | Select dataset                         | Select Model                            | Select Model                 | Go through Maintain         |
|            | Submit Credentials       | Save dataset                 | Select ML Algorithm                    | Run Test Return MAE                     | Adjust Features              |                             |
|            | Authenticate Credentials | Return to main menu          | Train Model                            | Return to main menu                     | Predict Student Score        |                             |
|            | Access Main Menu         |                              | Save model                             |   |                              |                             |
|            |                          |                              | Return to main menu                    |   |                              |                             |

Key

Main Activity

Steps

Details

Requirements

Tools to monitor and maintain the product

Implementation of interactive queries

Functionalities to evaluate the accuracy of the data product

Implementation of machine-learning methods and algorithms

Methods and algorithms supporting data exploration and preparation

Industry-appropriate security features

One nondescriptive (predictive or prescriptive) method

Collected or available datasets

Decision support functionality

One descriptive method

Ability to support:

- featurizing
- parsing
- cleaning
- wrangling datasets

Data visualization functionalities for data exploration and inspection

A user-friendly, functional dashboard that includes **three** visualization types