AAI-510 – Team Project Status Update Form

Fill out this form and submit it by the end of Module 4 in Canvas.

Team Number: AAI-510-04 Group 1

Team Leader/Representative: Carrie Little

Full Names of Team Members:

1. Jasper Dolar
2. Devin Eror
3. Carrie Little

Title of Your Project: Telecommunications Customer Churn

Short Description of Your Project and Objectives:
Identifying which customers are likely to leave so that the customer retention team can intervene and retain them.

Name of Your Selected Dataset: Telco Customer Churn (https://www.kaggle.com/datasets/blastchar/telco-customer-churn)

Description of Your Selected Dataset (data source, number of variables, size of dataset, etc.):

The IBM Telco Customer Churn dataset,obtained fromKaggle, contains data on 7,043 fictitious telecommunications customers and 21 features, in addition to the binary target variable "Churn" indicating whether a customer left within the past month ("Yes" or "No"). Each row represents a single customer and includes information about the services they use (phone service, multiple lines, internet service, online security, online backup, device protection, tech support, and streaming TV and movies); account details (tenure, contract type, payment method, paperless billing status, monthly charges, and total charges); and demographic attributes (gender, age range, and whether they have a partner or dependents). These factors can be used to predict which customers are likely to churn.

Please provide GitHub the link here: https://github.com/jasperdolar/AA1510

How many times have your members met in the last two weeks?

We maintain a group text and communicate with each other constantly, as well as attended two formal meetings thus far.

List the specific contributions that each team member is providing for the Final Team Project in the table below.
- **NOTE:** ALL students on the team should contribute equally to the Final Team Project.

Team Member 1 (Jasper Dolar)	Team Member 2 (Devin Eror)	Team Member 3 (Carrie Little)
Created GitHub Repo Created Google Share Model 1 Eval Models (all) Deploy Input(all) Presentation/Notebook Vid	Feature Eng Data Cleaning Model 2 Eval Models(all) Deploy Input (all) Presentation Final	Team Rep Set Up Meetings Business Case Model 3 Eval Models (all) Deploy Input (all) Presentation Draft Notebook Final

Comments/ Roadblocks: None so far

ML Model Possibilities: RandomForest
                             Support Vector Machines
                             Other

Deployment Possibilities: