Core Software Identity:

1. Management of Airline Data Science Use Cases
   1. Embedded revision system. Auto documentation
   2. Ability to go back versions for models and formats
   3. Some project management aspect to it. Tasks cards & calendar
2. Ready Built and Flexible data quality control
   1. Focus on flexibility instead of multitude of ready built data transformation techniques but will automate most common techniques. Same with data analysis
3. Ready Made Use Cases
   1. Easy to implement for new customers

How does each page meet these core identities?

Pages:

* Dashboard
  1. Project due date
  2. Task due date
  3. Project stats
  4. Team members
  5. Connections
* Create Use Case
  1. Create new use cases
     1. Goes to New page that enables you to fill out what you want for that projects. All major sections of the rest of the website will be fillable here.
  2. Table list of created projects
     1. View, edit, delete, copy
  3. Data Dimensions: Management of data dimensions on an individual dimension aspect.
     1. Location: Create Use case
     2. Features: Shared, available (bringing awareness that data dimensions exits)
* Load Data
  1. Load data per type of data
     1. Can select folder level
     2. Single file, multiple file(same data frame), multiple files(different data frame)
  2. Table list of data loads
     1. View, edit, delete, copy
     2. Project or global level
     3. View data frame and stats per each column
* Quality Control
  1. Assessment criteria
  2. Generate report button
     1. Button opens new tab to explore data quality issues. Established rules can be saved temporarily to see effects of changes and then submitted to the database
     2. Format will be flexible for user
        1. Allowed to write own code for what they want to look at in before and after
        2. Ability to edit format within report generator?
     3. Layout of original, before, after
     4. Current rules established can be moved in different orders
  3. Table list of rules submitted
     1. View, edit, delete, copy
     2. Project or global level
  4. Can expand to a larger view and be able to step through rule changes
* Data Analysis
  1. Dashboards Table
     1. View, edit, delete, copy
  2. Data Analysis: Add D3 for visuals as prebuilt offering
* AI Factory
  1. ML Models
     1. Create new models
     2. Process models
        1. Train
        2. Validate
        3. Test
        4. Compare
     3. Models table
        1. View, edit, delete, copy
     4. Model processing table
        1. View, edit, delete, copy
     5. ML Model: staging across multiple models. Needs to be able to use the results from gained from a model in a different use cases
  2. Deep learning
  3. Evaluate Model
* Case Evaluation
  1. Evaluate use case: more compressive evaluation by the user. Web page
* Presentation
  1. Presentation: [https://revealjs.com/#/3](https://hangouts.google.com/_/elUi/chat-redirect?dest=https%3A%2F%2Frevealjs.com%2F%23%2F3) presentation format
* Settings
  1. Export and import saved report formats
  2. Change formats to be default
  3. Share projects

Names: Airline Data Science AI factory

Steps to display Out-put cell:

Prerequisites:

1. Interpreter: python
2. To run script: nbconvert nbformat, ipykernel
3. All other common python modules to run actual user code

Steps:

1. Attach Code in Code.txt
2. Execute: Create\_ipynb\_file.py