Working System Description

**How to set up and run your system**

1. Launch the data bricks community edition; you may access the community login page using the URL [Login - Databricks Community Edition](https://community.cloud.databricks.com/login.html#notebook/3072938281496335/command/3072938281496344).
2. Create a new cluster with the suggested runtime of 14.1 ML (scala 2.12, spark 3.5.0) to execute our system.
3. Import our file into data bricks after the deployment is complete. The attached zip file contains HTML link and IPython notebook file of our working system.
4. Upload the dataset csv file into DBFS before running the code. Copy your pyspark code for accessing notebook files.
5. Replace our data path with your own route; to identify the codes that must be modified, search for these keywords (df1 (initial importing line), df (in feature engineering), data (in deep learning)) or, alternatively, search for keyword(dbfs) and modify the path for successful execution of our system file.

Total Execution Time: 1hr 30mins( approx.).