

# Requirement Traceability Matrix

Project Number - 34

Group number - 37

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Requirement ID	Requirement description	Use Case ID	High Level design element	Low level design element - 1	Low level design element - 2
<b>RQ-1</b>	To show correlation matrix	<b>UC-1:</b> the front page location (if user checks it)	<b>Module 1:</b> Pandas, numpy, streamlit, Sweetviz, Pandas profiling	change_Detection.py	App function
<b>RQ-2</b>	To show histogram charts for attributes	<b>UC-2:</b> Showing visualization of data to show the patterns of the attributes of whole dataset and of data chunks	<b>Module 1:</b> Pandas, numpy, matplotlib, pyplot, streamlit	app1.py	App function
<b>RQ-3</b>	To show EDA representations according to attributes	<b>UC- 4</b> The analysis of data by cleaning the dataset and showing of exploratory data analysis	<b>Module 2</b> Pandas, numpy, matplotlib, pyplot, Sweetviz	html_profiling.py	App function

<b>RQ-4</b>	Computation of Metrics	<b>UC-3</b> Mean, standard deviation, variation of each chunk	<b>Module 3:</b> Pandas, numpy	app1.py	App function
<b>RQ-5</b>	Data Set Visualisation with pop-ups	<b>UC-4</b> Detecting changes in the variations of dataset and then creating a pop-up when change detected	<b>Module- 3</b>	change_detection.py	App function
<b>RQ-6</b>	Change detection from patterns	<b>UC-5</b> Dividing dataset into two or more parts and analyse significant variations	<b>Module-3</b> Pandas	Google colab	App function
<b>RQ-7</b>	Density curve of each attribute in the given dataset	<b>UC-6</b> Density of each attribute	<b>Module-</b> Streamlit Pandas matplotlib	density_of_each_attr.py	App function