**Project Handover**

PROJECT NAME: Data Driven Stress Coaching

PROJECT DURATION: 17 Weeks.

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| **Customer:** | Evelin |
| **Location/Country:** | Strijp-S TQ Building – Netherlands. |
| **Primary Stakeholder:** | Dr Evelyn. |
| **Role:** | Data IT Student in Fontys |
| **Phone Number:** | + 31 648021753 |
| **Email:** |  |

| **Project Team Members** (project manager, business analyst, developers, etc.) | | | |
| --- | --- | --- | --- |
| Name | Role/Responsibility | Skillset | Contracted Until |
| **Veroude,Pim** | Developer | Python, Analytic Data, Project Management | 17th January 2023 |
| **Koutsomaïlis,Henrique H.** | Data Cloud Developer | Python, Azure Cloud, Infrastructure | 17th January 2023 |
| **Mark Nguyen** | Product Owner | Python, Analytic Data, Project Management | 17th January 2023 |

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| **Project Priorities** (list the must-have items to deliver) | | | |
| No. | Date | Description | Owner |
| 1 |  | Data Processing and EDA Paper | Mark, Pim |
| 2 |  | Dashboard | Mark |
| 3 |  | Azure Architect System | Henrique |

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| **Project Backlog** (list everything else you expect to deliver in priority order) | | |
| Item | Expected Date | Priority |
| Create the Data Facility to operate dataset on cloud and connect them to Power-BI |  | 5 |
| Deliver the final dashboard to customer |  | 5 |
| Analyze the data insight in Python Jupiter notebook and give the result comment. |  | 3 |
|  |  | 6 |

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| **Special Instructions** (detailed information for your replacement) | |
| No. | Item |
| 1 | Dashboard 1st |

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| **Document & Asset Index** (list all project documentation and assets with their location) | | |
| No. | Name | Details |
| 1 | Azure Guideline | Contain the guideline of operate and understand the data facility. |
| 2 | Python Notebook Weathers. | Contain the analysis of data following the weather from KMNI. |
| 3 | Python Notebook Activities | Contain the analysis of data following the activities made by Pim |
| 4 | Project Total Paper | Contain mainly the information of DDBL project |

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| **Technology & Tools** (list any software and applications used to manage the project) | | |
| No. | Name | Credentials (these should be kept secure) |
| 1 | Azure Cloud | NA |
| 2 | Python | NA ( No specific API or Token ) |
| 3 | PowerBI Dashboard | NA |
| 7 | Jupyter NoteBook | NA |

1. **CHECKLIST**

Use this list to ensure you have covered all activities needed for your successor to continue the project successfully. Remove this checklist before handing the document to your successor.

* Project Plan in Brief.
* Explore Data Analysis Notebook with Activities.
* Explore Data Analysis Notebook with Weather.
* Azure Architect Infrastructure - Data Pipeline Solution
* Power-BI Dashboard of Analytic.

1. **Dashboard Visualization.**

Our team developed a dashboard with the purpose to help the client being fast and easy way to interact into our data insight. Therefore, it gains the eco-friendly user interface to help expert read and find the good hint between different data perspective. It can be changed to update with multiple requirements easily to adapt with the demand from customer and user if needed.

**Chart, line chart

Description automatically generatedDashboard Page 1:**

**Figure 1 PowerBI Weather Page**

Describe the main analysis of data relates to multiple USER\_ID and Weather. Client can access multiple ring according to the slide in right side and adjust to see the detail with USER\_ID. This page will help client understand the data insight in weather and MM\_Level which mean the stress level of each user.

**Chart, waterfall chart

Description automatically generatedDashboard Page 2:**

**Figure 2 PowerBI with Activities.**

* Show the data analysis of data mood ring related with activities and tell the data insight to help Data scientist have the overview relate with Activities, this page shows a data trend interpretive with activist whether they are going do activities. Big category such as Work, Sleep, Travel, Dinning, Fitness is our main activities to see how stress is relate and also compare them in general overview. In depth the analysis of Python will explain them detail.

Chart

Description automatically generated**Dashboard Page 3:**

**Figure 3 Power-BI relate with SCL and Weather**

Dashboard 3 describe the multiple graphics relate more on SCL and Weather. It will be a boxplot and the SCL comparison with another factor. We also add the Average of SCL, and Sum of all Precipitation affect to the walking number of user. The Time Strip meanwhile is the hour from 1 to 24 hour per day and show the appearance of data in there.

Future: Dashboard can be iterated depend on the demand of client, and the more grow data-set might make the granular impact to the data quality it-self however graph will stable for long-term which doesn’t need to change. Dashboard was made for scientist with the vision possible to observe many user\_id data performance.

1. **Azure System – Data Infrastructure Built as Facility.**

Timeline

Description automatically generatedIncluded with the sub-paper to explain the detail and setup guideline for the user and other future stakeholder who will enroll into HealthCare Data project.

Figure Data Architect Cloud Facility

The azure architect cloud is our data facility mainly help the data working through different method from processing data to making the right connect for data flow. The user product will land will be the Power-Bi and Azure is the backend behind our data facility as high level of infrastructure keep the pipeline running and processing the data from multiple rings. This architect will support a lot of ring user will be able to store their data in cloud and future assist the computer people / other software dev who want to improve and collaborate to make a different level of this data project can be used and ability to connect with another project is highly consider. This part is our main deep tech development progress behind all those data processing.

1. **Explore Data Analysis as Notebook.**

* First version will handle and analyze the mood ring weather. Will allow the customer to understand the cleaning process of raw data and data processing. Support customer to have the good insight of one ring relate with stress and seeing the interpretive thing relate to weather such as comparison between Temperature, Precipitation, Wind level with MM Level and other perspective of data.
* Second version will handle and analyze the mood ring following the activities and write the analysis which apply bases on the statistic research and create multiple graphs from Pim, it will contain the strong analysis based on depth technique compare with the first version.

As the target goal and promising with client. Team Data-Driven Stress Coach, we would like to deliver a product as the Power-BI visualization Dashboard. Notebook will transfer and process data as we demand for the project, the right outcome of data will be plot out in the dashboard, so the right stakeholder will observe and understand data storying via the hidden of itself. Simplicity and coherent clean data is our key work for the dashboard data.