Team Tasks

GVC - Afterspot - DigiHealth008/LifeStyle002

Data Architecture

Name	Subitems	Owner	Description
Transformation - ETL		Nathaly Toledo, Garry Putranto Arimurti	

Subitems	Name	Owner	
	1st Stage - Make simple connections to operating dbs from python environment (mongo, influx) for read data access	Nathaly Toledo, Garry Putranto Arimurti	
	2nd Stage - Make connection to DWH (snowflake) from python environment for read and write data access	Nathaly Toledo, Garry Putranto Arimurti	Extracting data from MongoDB and InfluxDB, transfomation of data from NoSQL database format to SQL and loading the extracted and transformed data to our created data warehouse in Snowflake
	3rd Stage - Playout connector	Nathaly Toledo, Garry Putranto Arimurti	
	3rd Stage - Sessions connector	Nathaly Toledo, Garry Putranto Arimurti	
	3rd Stage - ID connector	Nathaly Toledo, Garry Putranto Arimurti	
	4th Stage - Users - Saw - Shows	Nathaly Toledo, Garry Putranto Arimurti	

		Owner	Description
DWH data modeling (Snowflake)		Zuzana Jankovská	

Subitems	Name	Owner	
	ER diagram (Afterspot)	Zuzana Jankovská	Creating a data model of the structure of our Data Warehouse, where the extracted and transformed data will be stored. Definition of attributes and their data types and their connection. Deliverables: DWH logcal data model and the SQL script fot the creation of the tables
	Entities and Relations formalized into the tables	Zuzana Jankovská	
	SQL and diagram delivery	Zuzana Jankovská	
	Users - Saw - Shows model	Zuzana Jankovská	

		Owner	
Data Storing		Zuzana Jankovská	

Subitems	Name	Owner	
	Users	Zuzana Jankovská	
	Sessions	Zuzana Jankovská	Setting up data tables in Snowflake based on the data model.
	Content	Zuzana Jankovská	
	Users - Saw - Shows	Zuzana Jankovská	

		Owner	
Build Data Market place		Zuzana Jankovská	

Subitems	Name	Owner	
	Users - Saw - Shows relation	Zuzana Jankovská	Creating Data Marts for the Data Marketplace to be used in Business Intelligence / visualisations
	User profiling and Maketplaces with filtered data based on the scenarios	Zuzana Jankovská	

Business Inteligence

Name	Subitems	Owner	
Subitems	Name	Owner	
Market place connection (DWH->Tableu)		Zuzana Jankovská	Setting up the environment in Tableau reporting tool
Visualisation of case study / scenarios		Zuzana Jankovská	Creating a report and visualising case study scenarios in the Tableau reporting tool

Machine learning

Name	Subitems	Owner	
Definition of use ML for project - focus,		Nathaly Toledo, Garry Putranto Arimurti	Defining the possibilities with ML in our project, data source preparation and designing an algorithm that will predict future viewer behavior.
Data source preparation		Nathaly Toledo, Garry Putranto Arimurti	
Inputs - Assignment - output		Nathaly Toledo, Garry Putranto Arimurti	