Assignment 1	Project Summary
Course	Multimedia Technologies with Angular and TypeScript - 2020

Project author		
№	Pseudonym	Face-to-face/ online
1	stringie	face-to-face

Project name	Online Nutrition Logging System

•   Short project description (Business needs and system features)
The internet is the place to check the nutrtional value of your foods if you want to know if you are eating the right way and getting all your nutritional requirements. The Online Nutrition Logging System provides ability for anyone to use the nutritional knowledge of the internet to log their daily requirements and manage their progress. It allows users to choose which foods they have eaten throughout the day and in what quantity. At the end of the day they will know how good their diet is and what they need to improve on. The system will be developed as a *Single Page Application (SPA)* using **Angular** as front-end, and **Node.js + Express** as backend technologies. The backend will be implemented as a **REST/JSON API** using JSON data serialization. The main user roles (actors in UML) are: •   *Anonymous User*

• Main Use Cases / Scenarios		
Use case name	**Brief Descriptions**	**Actors Involved**
• **Add food**	The User chooses the food for which they would like to store the nutritional value in the DB and provides name of the food, link (for web scraping) and quantity (in grams)	All users
• **Log intake**	The User enters which food they have eaten along with the quantity (in grams)	*Anonymous User, Administrator*
• **Suggest food**	Based on the daily requirements for nutrition and the stored foods in the DB, the system can recommend The User foods with which to complete whatever he is lacking in nutrition for the day	*Registered User, Administrator*

	Main Views (SPA Frontend)	
View name	**Brief Descriptions**	**URI**
• **Home**	Presents the User with the main options available to the system	/
• **Today**	Presents the User with the daily nutritional information	/today
• **Date Selection**	Presents the User with the nutritional information of a specific date in the past	/{date}
• **Food**	Presents a view allowing User to add Food to the DB	/add
• **Intake**	Presents a view allowing User to log intake for the day	/intake
• **Suggest**	Presents a view allowing User to ask the system for a nutritional suggestion	/suggest
• **Login**	Login view	/login
• **Register**	Register view	/register

	API Resources (Node.js Backend)	
View name	**Brief Descriptions**	**URI**
• **Food**	POST food url, name and quantity	/api/food
• **Intake**	POST food name and quantity	/api/intake
• **Today**	GET daily nutritional value	/api/table
• **Suggest**	GET recommendation for nutrition	/api/suggestion
• **Login**	POST User login details	/api/login
• **Register**	POST User register details	/api/register