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

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

Project name	Online Knowledge Testing System

1. Short project description (Business needs and system features)

The Internet is the place to check the nutritional 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 the 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, 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*

2. Main Use Cases / Scenarios

Use case name	**Brief Descriptions**	**Actors Involved**
2.1. 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 and quantity (in grams)	All users
2.2 Check daily nutrition	The User sees which foods they have eaten throughout the day and sees the displayed cumulative nutritional information from all of those foods	

2.3 Store daily nutrition in journal	Every day for which the user has logged food is saved in the database for future references as a sort of 'journa'	

3. Main Views (SPA Frontend)		
View name	**Brief Descriptions**	**URI**
3.1. Home	Presents the user with all of their daily intakes and a calendar for management of the journal	/journal
3.2. Login	Presents a view allowing the users to login.	*/login*
3.3. Register	Presents a view allowing the users to register.	*/register*
3.4. Search	Presents a modal view allowing the users to search for foods and view their respective nutrients	*/journal*

4. API Resources (Node.js Backend)		
View name	**Brief Descriptions**	**URI**
4.1. Login	POST *User Credentials* (e-mail address and password) and receive a valid *Security Token* to use in subsequent API requests.	*/api/login*
4.2. Register	POST User Information (username and password)	*/api/register*
4.3. Intake	GET, POST Food to receive nutritional information at a specified date and to add food to the nutrition of a specified date	*/api/foods/intake/{date}*
4.4. Search	GET Food Name to receive a list of possible foods	*/api/foods/search*