HUMAN BRAIN

OVERVIEW

Simulation of a human brain is a topic of interest in our days. Our team is going to create a service of the brain that is going to manage the services that scan for images and text. After that with the information achieved over time is going to take a decision.

The Objective

- Creating a service that will manage the brain subservices.
- Creating a memory for our brain.
- Creating an interface for our services.

Team Structure

Name - GitHub account - Role

- Munteanu Andrei-Stefan - MunteanuAndreiStefan - Scrum Master
- Costandache Mihai-Andrei - andreicostandache - Developer
- Zaharia Raul - rzaharia - Developer
- Ouatu Bogdan-Ioan - ilikehaskell - Developer
- Ghiga Claudiu-Alexandru - claudiu-ghiga - Developer
- Silistru Alexandru - SilistruAlexandru - Developer and Tester
- Ninicu Cristian - DoubleNy - Developer
- Marcu Alexandru - - Tester
- Dodu Emanuel-Andrei - - Tester

Stakeholders

- University Alexandru Ioan Cuza, Faculty of computer science

REQUIREMENTS

High Level Requirements

- The project will have only **one type of actor** identified by stakeholders:

  ➔ The **user** should be able to **see the memory** of the application and **upload a new image / text** and get a response for the upload. The response will be **concept** page or it will ask the **user to provide information** about the concept. The user will also be able to select a concept from the memory and modify / delete the concept.

Detailed Requirements

- The project will have only **one type of actor** identified by stakeholders:

  - ➔ The **user** should be able to **see the memory** of the application.
  - ➔ The **user** should be able to **select from the memory** a concept.
  - ➔ The **user** should be able to **view / modify / add / remove** a concept. A concept will have a short text description and an image also a concept will have all the data sent we marked to be from current concept.
  - ➔ The **user** should be able to upload a file text or image and get a response. A **response** is based on the **decision** our module service.
  - ➔ The **decision** may be **to integrate the uploaded file into a concept** or **ask the user to create / edit a concept,** also an **not safe decision should be shown** here.
  - ➔ The **user** should be able to **export** his **memory** to a file or **import** a memory.
  - ➔ Each **memory** we use will be **secured** with a **password,** the user should provide a login password before interacting with a loaded memory.

High Level Project Approach

- Methodology:
  - ➔ We will have LSD based methodology adapted to our needs. We will make a merge between FDD and LSD.
  - ➔ Overview of our methodology:
    - Eliminate waste
    - Amplify learning.
    - Develop overall model.
    - Build feature list.
    - Plan by feature.
    - Design by feature.
    - Build by feature.
    - See the hole.
  - ➔ Information about our sprints and organization:
    - Sprints will count 1 to 10 days.
    - We will have a daily meeting or call every 3 days.
    - Sprint review / retrospective will take place as normal.
    - The backlog will be kept on GitHub.com
    - Tests will be written but will started by the programmers for each build. After the project is published the tests will be moved to Jenkins to automate the build process.

- Hight level architecture of the application:

  - ➔ **TODO**

Project Deliverables

Following is a complete list of all project deliverables:

Deliverable	Description
The application solution	The project solution will be on a repository under an MIT License
The documentation of the project	Delivered to the end of the project to the teachers.