U.PORTO
FEUP FACULDADE DE ENGENHARIA
UNIVERSIDADE DO PORTO

Kick-off Meeting

Date: 11/03/2022
Location: B343 - FEUP
Participants:
António Bezerra: Supervisor Interface Manager
Eduardo Correia: Implementation Manager / Design Manager
Flávia Carvalhido: Customer Interface Manager / Planning Manager
Jéssica Nascimento: Design Manager
João Costa: Process Manager
João Fernandes: Test Manager
João Matos: Process Manager
João Reis: Customer from DEUS.AI

Meeting started around 16:00 and the following topics were discussed:

1. Introductions

1.1. Team Introduction

The members of the teams introduce themselves.

1.2. Customer Introduction

The customer introduces himself and explains his connection to the course and the faculty.

2. Overview of DEUS.AI

2.1. Company name origin

The customer explains the meaning behind the work DEUS and how each letter represents a major component of the company.

2.2. Company mission and vision

The company aims to use interesting AI projects to benefit human beings.

3. Context behind the project

The power supply chain used by companies is very complex and the project should improve the way unforeseen problems are handled after the price has been set for a particular day.

4. Project Requirements

4.1. GIS showcasing assets

The application should offer a geographical representation of assets and show real time data about them.

Interventions:

- António asks if each user's assets are private and only visible to them, the customer replies positively.

4.2. Asset creation and management

The application should allow the creation of assets which can also be managed, this includes asset repositioning, addition and removal of data fields and other adjustments.

4.3. Asset connection and grid representation

A user should be able to draw the energy flow and use an asset that keeps track of all the energy being produced and consumed.

Interventions:

- João Costa asks if the connections should persist between sessions, the customer replies positively.
- António asks if the representation shown should correpond to physical locations, the customer replies that the more faithful the representation the better but it's up to the user to determine if the asset placement and connections make sense.

4.4. Notifications

The system should notify the user when certain fields' values cross previously defined boundaries.

4.5. Dashboard with asset and market data

The user should have access to a dashboard with market data and another one with asset data. These dashboard should have graphs with real time and predicted data about several elements like the weather and market price, it should allow for comparisons to be made between values.

Interventions

- Flávia asks if the company can give us access to this type of data, the customer replies that the team can be provided with a substantial amount of data.

4.6. Multiple markets

The previous requirements form a market and the system should support several of them.

Interventions

- António asks if the system should allow a user to create different markets for different cities in the same country, the customer says that can be done but a market must not mix different real markets.
- Flávia asks about the geographical scale of the project, the customer replies that depending on the company the assets can be distributed over an entire country or a smaller area.

4.7. Integrating data from different sources

The system should offer a way for external applications (like AI models) to provide it with data. The customer suggests the use of an API but the team can try to come up with a better way. The data being sent to the system should be visible in the geographical representation.

4.8. Hypothetical scenarios

The system should be able to function with data that isn't real, allowing for the analysis of hypothetical scenarios. The simulated assets can be copies of real assets.

Interventions

- Eduardo asks if the system should show real and simulated data together or separately, the customer says they should be in different markets.
- António asks if the real data should continue to be updated when showing simulated data, the customer says the team can do that, should they choose to, but it can cause problems in the dashboard.
- António asks when the data should be synchronized in simulated scenarios, the customer replies that the team should choose to do what is simpler.

5. Contact information and general questions

The team and the customer exchange contact information. The customer invites the team to visit the company's headquarters on 21/03/2022 and talk with Shell employees. The team should define an MVP until then to request validation. Finally, the team can clear any doubts in the middle of the week to avoid overloading the meeting and Flávia will contact the customer to provide further contact and meeting information.

Interventions

- Eduardo asks if the team will have access to the presentation, the customer answers positively.
- Flávia confirms with the customer that the team is not supposed to implement its own AI models.
- Flávia asks if the team can use a different technology stack, the customer says the team can suggest different technologies.
- Eduardo asks if the team has to use Three.js, the customer says something else can be used.
- Flávia asks if the company already offers similar solutions, the customer replies that DEUS does not offer software like this but develops AI software related to this.
- Eduardo asks if the company does not offer graphical tools related to the project's topic, the customer replies negatively.
- João Matos asks how the the minute should be validated, the customer says it can be done through email but does not have a particular preference for validation methodologies.

- Flávia asks how often the meetings should be held, the customer says he's available every week and initially, the frequency of the meetings should be higher.

Meeting ended around 17:30.