**School of Electrical Engineering, Belgrade**

**Principles of Software Engineering (SI3PSI)**

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Description automatically generated

GoldenView

Specification of use case scenario of the real time assets view

Version 1.0

Team Terminal

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# History of changes

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| --- | --- | --- | --- |
| Version no. | Date of release | Description | Author |
| 1.0 | 23.3.2023. | Initial version | Aleksandar Radenković |
| 1.1 | 16.6.2023. | Updated description of displaying asset value predictions. | Aleksandar Radenković |
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# Introduction

## Summary

Defining the use case scenario of searching assets and viewing changes in their value over time as well as predictions of their value in near future, with examples of the corresponding website pages included.

## Purpose of the document, and target group

The document is intended to be used by all members of the project team involved in developing and testing the project and may also be used in writing user manuals.

## References

1. Project.
2. Guidelines for writing functional scenario specifications.

## Open questions

No open questions currently.

# Scenario of searching assets values

## Description

All users but the Guest users can search for the asset they wish to view in the search bar and select it. For selected asset a graph is displayed, containing the information about the change of value of the asset over time. With a click of a button the user can also see GoldenView’s prediction of that asset’s value in case it is available for that asset.

## 2.2 Flow of Events

### 2.2.1 User views an asset

1. User searches for an asset they want to view in the search bar.
2. As the user is typing system offers autocomplete suggestions.
3. User selects the asset from the suggestions.
4. System fetches historical values of the asset and displays them using a graph.
5. User can turn on and off the option to display the GoldenView’s predictions of the value of that asset. The prediction is shown as a list of estimated daily mean values into some future.

### 2.2.2 *Failed to find the asset*

If user is searching for an asset that does not exist in the database then in the autocomplete suggestion there is a message “No assets with such name found”.

### 2.2.3 *Getting all search results*

In case user did not select the option from the autocomplete but executed a full search, then the list of all assets that match the search are displayed and can be selected.

## 2.3 Special requirements

An implementation where data retrieval is done entirely on frontend should be considered because the system itself would fetch data from an outside source which renders the extra redirection of data redundant. This may be preferable as users would get their information more quickly and it would reduce the system workload.

## 2.4 Prerequisites

The user must be logged in and have accepted the latest terms of agreement.

## 2.5 Consequences

No consequences.