**Project Requirements**

**Project Name: Mensa@Unibe**

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**Customer: Bledar Aga**

Revision History

| **Version** | **Date** | **Revision Description** |
| --- | --- | --- |
| .01 | 26.09.2013 | Initial documentation |
| .02 |  |  |
| .. |  |  |
| 1.0 |  |  |
|  |  |  |
|  |  |  |

Date: September 26, 2013

# Introduction

## Purpose

Purpose

## Stakeholders

Stakeholders

## Definitions

Definitions

## System overview

Content

[1. Introduction 2](#_Toc368322501)

[1.1 Purpose 2](#_Toc368322502)

[1.2 Stakeholders 2](#_Toc368322503)

[1.3 Definitions 2](#_Toc368322504)

[1.4 System overview 2](#_Toc368322505)

[1.5 References 3](#_Toc368322506)

[2 Overall description 4](#_Toc368322507)

[2.1 Use cases 4](#_Toc368322508)

[2.1.1 List of all mensas 4](#_Toc368322509)

[2.1.2 Details about menu of current day 5](#_Toc368322510)

[2.1.3 Details about menu of the coming days 6](#_Toc368322511)

[2.1.4 Find closest mensa 7](#_Toc368322512)

[2.1.5 Way to reach a given mensa 8](#_Toc368322513)

[2.1.6 Way to reach a given mensa 9](#_Toc368322514)

[2.2 Actor characteristics 11](#_Toc368322515)

[3 Specific requirements 12](#_Toc368322516)

[3.1 Functional requirements 12](#_Toc368322517)

[3.2 Non-functional requirements 12](#_Toc368322518)

## References

References

# Overall description

## Use cases

[Diagram for use cases] (draw it with draw.io, we do it after all the use cases were described!)

### List of all mensas

1. **Actors**

User

1. **Description**

As a costumer, I want to see a complete list, with all mensas of the campus.

1. **Trigger**

User starts the App and sees the home-screen with the list.

1. **Pre-conditions**
2. First start: User has an active internet connection.
3. **Post-conditions**
4. User sees a list of all mensas.
5. User can choose one mensa.
6. **Main scenario**
7. User opens the app
8. System shows a list of all mensas
9. User choose a mensa
10. System shows brief information about the mensa and options
11. **Alternative scenarios**
12. System has no internet connection
    1. System tries to get a cached list of the mensas
    2. System shows the cached list of the mensas
13. System has no internet connection
    1. System tries to get a cached list of the mensas
    2. No cached version available
    3. System shows error message
14. **Special requirements**
15. Parse the list of mensas
16. **Notes**

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### Details about menu of current day

1. **Actors**

User

1. **Description**

As a user I want to see details about the menus served at a given mensa in the current day.

1. **Trigger**

User hits the “Current Day Menu” button of the actual mensa

1. **Pre-conditions**
2. User chose the mensa
3. **Post-conditions**
4. User sees the served menus of the current day
5. **Main scenario**
6. User wants to see the served menus
7. System shows details of the served menus
8. **Alternative scenarios**
9. User has no internet connection
   1. System tries to get a cached version
   2. Cached version available, shows it
10. User has no internet connection
    1. System tries to get a cached version
    2. No cached version available
    3. System shows error message
11. **Special requirements**
12. Parse the data about served menus
13. **Notes**

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### Details about menu of the coming days

1. **Actors**

User

1. **Description**

As a user I want to see details about the menus served at a given mensa in the coming days.

1. **Trigger**

User hits the “Coming Days Menu” button of the actual mensa

1. **Pre-conditions**
2. User chose the mensa
3. **Post-conditions**
4. User sees the served menus of the current day
5. **Main scenario**
6. User wants to see the served menus
7. System shows details of the served menus
8. **Alternative scenarios**
9. User has no internet connection
   1. System tries to get a cached version
   2. Cached version available, shows it
10. User has no internet connection
    1. System tries to get a cached version
    2. No cached version available
    3. System shows error message
11. **Special requirements**
12. Parse the data about served menus
13. **Notes**

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### Find closest mensa

1. **Actors**

User

1. **Description**

As a user I want to know which is the closest mensa

1. **Trigger**

User hits the “Get Closest Mensa” button.

1. **Pre-conditions**
2. User has enabled GPS
3. System has the permission to use the GPS data
4. **Post-conditions**
5. User sees the closest mensa
6. **Main scenario**
7. User wants to see the closest menu
8. System calculates the closest mensa with the GPS data
9. System shows the closest mensa
10. **Alternative scenarios**
11. System has no permission to use the GPS data
    1. System asks for permission to use GPS data
    2. User gives the permission to the system
    3. Back to main scenario
12. System has no permission to use the GPS data
    1. System asks for permission to use GPS data
    2. User declines
    3. System shows error message
13. GPS is not enabled on the device
    1. System asks to enable the GPS
    2. User enables the GPS
    3. Back to main scenario
14. GPS is not enabled on the device
    1. System asks to enable the GPS
    2. User does not enable the GPS
    3. System shows error message
15. **Special requirements**
16. Permission to use the GPS data
17. Calculate distance with coordinates
18. **Notes**

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### Way to reach a given mensa

1. **Actors**

User

1. **Description**

As a user I want to know how to reach a given mensa

1. **Trigger**

User hits the “Show Way” button of the actual mensa

1. **Pre-conditions**
2. User chose the mensa
3. User has an active internet connection
4. User has enabled GPS
5. System has the permission to use GPS data
6. **Post-conditions**
7. User sees the way to a given mensa
8. **Main scenario**
9. User wants to know how to reach a given mensa
10. System shows the way with on a Map
11. **Alternative scenarios**
12. User has no internet connection
    1. System shows error message
13. GPS is disabled
    1. System asks user to enable GPS
    2. User enables GPS
    3. Go back to main scenario
14. GPS is disabled
    1. System asks user to enable GPS
    2. User declines
    3. System shows error message
15. System has no permission to use the GPS data
    1. System asks for permission to use GPS data
    2. User gives the permission to the system
    3. Back to main scenario
16. System has no permission to use the GPS data
    1. System asks for permission to use GPS data
    2. User declines
    3. System shows error message
17. **Special requirements**
18. Use Google Maps for leading and showing the way
19. **Notes**

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### Way to reach a given mensa

1. **Actors**

User

1. **Description**

As a user I want to know how to reach a given mensa

1. **Trigger**

User hits the “Show Way” button of the actual mensa

1. **Pre-conditions**
2. User chose the mensa
3. User has an active internet connection
4. User has enabled GPS
5. System has the permission to use GPS data
6. **Post-conditions**
7. User sees the way to a given mensa
8. **Main scenario**
9. User wants to know how to reach a given mensa
10. System shows the way with on a Map
11. **Alternative scenarios**
12. User has no internet connection
    1. System shows error message
13. GPS is disabled
    1. System asks user to enable GPS
    2. User enables GPS
    3. Go back to main scenario
14. GPS is disabled
    1. System asks user to enable GPS
    2. User declines
    3. System shows error message
15. System has no permission to use the GPS data
    1. System asks for permission to use GPS data
    2. User gives the permission to the system
    3. Back to main scenario
16. System has no permission to use the GPS data
    1. System asks for permission to use GPS data
    2. User declines
    3. System shows error message
17. **Special requirements**
18. Use Google Maps for leading and showing the way
19. **Notes**

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## Actor characteristics

Actor characteristics

# Specific requirements

## Functional requirements

Functional requirements

## Non-functional requirements

Non-functional requirements