

Requirements Document for FLOCCTUM

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Part I

User Requirements

0.0.0.0.1 UR001

Statement *Users shall be able to register to the system .*

Priority *A*

0.0.0.0.2 UR002

Statement *Member shall solve a short tutorial right after registration .*

Priority *C*

0.0.0.0.3 UR003

Statement *Members shall have social profiles .*

Priority *B*

0.0.0.0.4 UR004

Statement *A member's profile shall be editable and hideable .*

Priority *B*

0.0.0.0.5 UR005

Statement *Members shall have a contact list .*

Priority *B*

0.0.0.0.6 UR006

Statement *Members shall be able to sort contacts in self-defined groups .*

Priority *C*

0.0.0.0.7 UR007

Statement *Members shall be able to search for other members to visit their profile and add them to their contact list .*

Priority *B*

0.0.0.0.8 UR008

Statement *Members shall be able to block other users. Thus users shall not be able to request a conferences with that member. .*

Priority *C*

0.0.0.0.9 UR009

Statement *Members shall be able to unblock blocked users .*

Priority *C*

0.0.0.0.10 UR010

Statement *Members shall be able to use the plugins offered by the system .*

Priority *A*

0.0.0.0.11 UR011

Statement *The offered plugins shall be at least: voice- and video-, chat-, whiteboard-conference, document- and screen-sharing .*

Priority *A*

0.0.0.0.12 UR012

Statement *The system shall be extendable with new plugins .*

Priority *A*

0.0.0.0.13 UR013

Statement *Members shall be able to open and use several plugins simultaneously .*

Priority *A*

0.0.0.0.14 UR014

Statement *The system's interface shall be windows-based .*

Priority *A*

0.0.0.0.15 UR015

Statement *Members shall be able to minimize and scale the plugin-windows .*

Priority *A*

0.0.0.0.16 UR016

Statement *Members shall automatically become Moderators of their self-opened conferences .*

Priority *A*

0.0.0.0.17 UR017

Statement *Moderators shall be able to give moderator rights to other members in his conference. Members with moderator rights, that are not the moderator itself shall be called sub-moderators The moderator shall also be able to remove those rights from sub-moderators .*

Priority *B*

0.0.0.0.18 UR018

Statement *Moderators (and sub-moderators) shall be able to invite users to their conference .*

Priority *A*

/B

0.0.0.0.19 UR019

Statement *Moderators (and sub-moderators) shall be able to remove other users from the conference. Sub-moderators shall not be able to remove other (sub-)moderators. Only the moderator shall be able to remove sub-moderators. .*

Priority *A*

/B

0.0.0.0.20 UR020

Statement *In a voice- and video-conference a user shall be able to turn on/off his soundinput, -output and videoinput .*

Priority *B*

0.0.0.0.21 UR021

Statement *In a voice- and video-conference a user shall be able to configure the sound and video quality .*

Priority *C*

0.0.0.0.22 UR022

Statement *In a chat-conference a user shall be able to turn on/off an obscene language filter .*

Priority *B*

0.0.0.0.23 UR023

Statement *In a chat-conference a user shall be able to choose a color and font for his text .*

Priority *B*

0.0.0.0.24 UR024

Statement *In a whiteboard-conference a user shall be able to choose different tools and colors to draw/erase .*

Priority *A*

0.0.0.0.25 UR025

Statement *In a whiteboard-conference the moderator shall be able to give/remove drawing rights to the participants .*

Priority *B*

0.0.0.0.26 UR026

Statement *In a document-sharing-conference the participants shall be able to create and edit a text-based document .*

Priority *A*

0.0.0.0.27 UR027

Statement *In a document-sharing-conference the moderator shall be able to give/remove writing rights to the participants .*

Priority *B*

0.0.0.0.28 UR028

Statement *In a document-sharing-conference the participants, if they have writing-rights, shall be able to highlight text-parts with a individually chosen color .*

Priority *B*

0.0.0.0.29 UR029

Statement *In a document-sharing-conference the participants, if they have writing-rights, shall be able to comment their highlighted text-parts .*

Priority *B*

0.0.0.0.30 UR030

Statement *In a screen-sharing-conference the moderator shall be able to show his actual screen .*

Priority *A*

0.0.0.0.31 UR031

Statement *(Sub-)Moderators shall be able to share their conferences to other conference's participants. .*

Priority *A*

0.0.0.0.32 UR032

Statement *The conferences shall be recordable(video,voice,whiteboard) or savable(chat-log,text-document,whiteboard) All records, saved on the server, shall be accessible by the (registered) conference participants. All records, saved on the server, shall be downloadable. .*

Priority *A*

0.0.0.0.33 UR033

Statement *Moderators (excluding sub-moderators) shall be able to combine their conferences to another conference. They have to be moderators of both of those conferences tho combine them. This combined conference will be handled like only one conference. Functions like recording,mute,sub-moderation rights and invitation will now take effect on both conferences.*

Priority *C*

0.0.0.0.34 UR034

Statement *No data shall be stored on local devices .*

Priority *A*

0.0.0.0.35 UR035

Statement *The system shall be as efficient as possible .*

Priority *A*

0.0.0.0.36 UR036

Statement *The system shall be hosted on a dedicated server .*

Priority *A*

0.0.0.0.37 UR037

Statement *The system shall be accessible as a website via browser .*

Priority *A*

0.0.0.0.38 UR038

Statement *The system shall be easy to use .*

Priority *A*

0.0.0.0.39 UR039

Statement *The system shall also allow unregistered users to take part in conferences as guests, if they were invited by a (sub-)moderator. .*

Priority *A*

0.0.0.0.40 UR040

Statement *A member shall be able to open public or private conferences. Public conferences shall be accessible to every user who wants to join. .*

Priority *C*

0.0.0.0.41 UR041

Statement *The system shall be accessible to a high amount of users .*

Priority *A*

0.0.0.0.42 UR042

Statement *The system shall be protected against attacks .*

Priority *A*

0.0.0.0.43 UR043

Statement *The system shall be conform with the german rights .*

Priority *A*

0.0.0.0.44 UR044

Statement *The system shall be conform with the GI-concepts of data storage .*

Priority *B*

Part II

System Requirements

Chapter 1

Non-Functional Requirements

1.1 Product Requirements

1.1.1 Usability Requirements

1.1.2 Efficiency Requirements

1.1.2.1 Performance Requirements

1.1.2.2 Space Requirements

1.1.3 Dependability Requirements

1.1.3.0.1 NFR001

Statement *The MHC-PMS shall be available to all clinics during normal working hours (MonFri, 08.3017.30). Downtime within normal working hours shall not exceed five seconds in any one day.*

Priority *A*

1.1.4 Security Requirements

1.2 Organizational Requirements

1.2.1 Environmental Requirements

1.2.1.0.2 NFR002

Statement *Users of the MHC-PMS system shall authenticate themselves using their health authority identity card.*

Priority *A*

1.2.2 Operational Requirements**1.2.3 Development Requirements****1.3 External Requirements****1.3.1 Regulatory Requirements****1.3.2 Ethical Requirements****1.3.3 Legislative Requirements****1.3.3.1 Accounting Requirements****1.3.3.2 Safety / Security Requirements****1.3.3.2.1 NFR003**

Statement *The system shall implement patient privacy provisions as set out in HStan-03-2006-priv.*

Priority *A*

Chapter 2

Functional Requirements

2.0.3.2.2 FR001

Statement *On the last working day of each month, a summary of the drugs prescribed, their cost, and the prescribing clinics shall be generated. (see user requirement UR001)*

Priority *A*

2.0.3.2.3 FR002

Statement *The system shall automatically generate the report for printing after 17.30 on the last working day of the month. (see user requirement UR001)*

Priority *A*

2.0.3.2.4 FR003

Statement *A report shall be created for each clinic and shall list the individual drug names, the total number of prescriptions, the number of doses prescribed, and the total cost of the prescribed drugs. (see user requirement UR001)*

Priority *A*

2.0.3.2.5 FR004

Statement *If drugs are available in different dose units (e.g., 10 mg, 20 mg) separate reports shall be created for each dose unit. (see user requirement UR001)*

Priority *A*

2.0.3.2.6 FR005

Statement *Access to all cost reports shall be restricted to authorized users listed on a management access control list. (see user requirement UR001)*

Priority *A*

Chapter 3

Scenarios

3.1 Scenario for collecting medical history

INITIAL ASSUMPTION: *The patient has seen a medical receptionist who has created a record in the system and collected the patients personal information (name, address, age, etc.). A nurse is logged on to the system and is collecting medical history.*

NORMAL: *The nurse searches for the patient by family name. If there is more than one patient with the same surname, the given name (first name in English) and date of birth are used to identify the patient. The nurse chooses the menu option to add medical history. The nurse then follows a series of prompts from the system to enter information about consultations elsewhere on mental health problems (free text input), existing medical conditions (nurse selects conditions from menu), medication currently taken (selected from menu), allergies (free text), and home life (form).*

WHAT CAN GO WRONG: *The patients record does not exist or cannot be found. The nurse should create a new record and record personal information. Patient conditions or medication are not entered in the menu. The nurse should choose the other option and enter free text describing the condition/medication. Patient cannot/will not provide information on medical history. The nurse should enter free text recording the patients inability/unwillingness to provide information. The system should print the standard exclusion form stating that the lack of information may mean that treatment will be limited or delayed. This should be signed and handed to the patient.*

OTHER ACTIVITIES: *Record may be consulted but not edited by other staff while information is being entered.*

SYSTEM STATE ON COMPLETION: *User is logged on. The patient record including medical history is entered in the database.*