Requirements Specification

Task 02 - Team Green

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2019-04-08

Contents

1 Introduction

2 User Requirements

3 System Architecture

4 System Requirements

5 System models

6 System evolution

7 Testing

8 Appendices

9 Questions?

10 Thank you!

Introduction

Introduction

- Support patients suffering from depression
- Allows doctors and patients to work closely together
- Not intended to replace existing systems
- Support

User Requirements

Use-Cases

Use-Case 001

- Medication Reminders for Bob
- Used to remind patients to take their medications
- User is required to tick off the medication taken
- Exception might be that the user cannot take meds

Activity Diagram

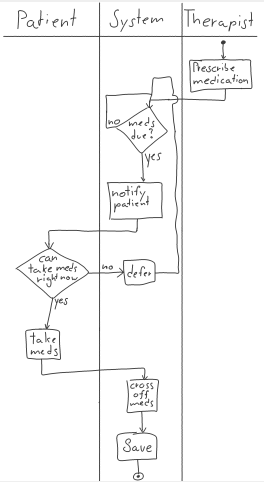


Figure 1: Activity Diagram describing Use-Case 001

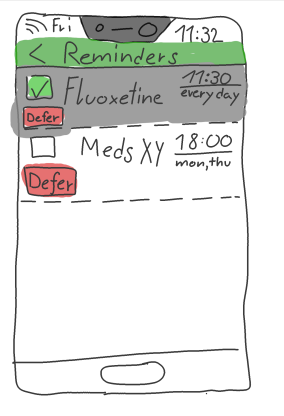
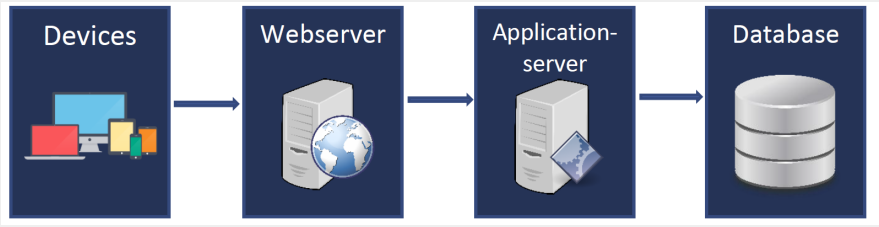


Figure 2: Prototype UC.001.P.1

System Architecture

System Architecture



System Requirements

Functional Requirements

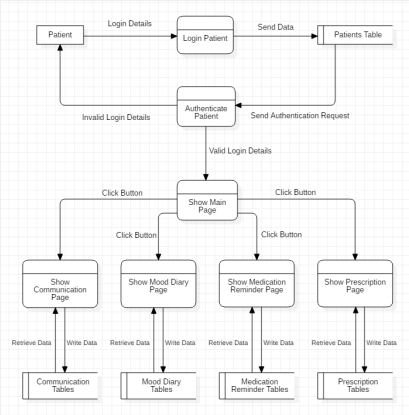
- User Administration
- Login and Dashboard
- Patient Management
- Saving Data and Documents

Non-Functional Requirements

- Usability
- Availability
- Security
- Performance
- Stability

System models

System models



System evolution

System evolution

- New features $\rightarrow$ No problem, because of a well structured, generic codebase
- Scalability $\rightarrow$ Load balancing and distributed database for increased traffic

Testing

Testing

This application is meticulously tested using the following methods.

- Component Tests
  - Unit Tests
  - Code Reviews
- Integration Tests
  - Each component gets tested thoroughly before deploying a new version
- System Tests
  - Compare results with specification
  - Test requirements and functionalities if correctly implemented and working
- Validation Tests
  - Test the end application together with customer
  - Make sure functionalities and user experience meet customer's expectations

Appendices

Appendices

- User Requirements:
  - Devices with internet connection (Computer, Tablet, Phone)
  - Browser for example Firefox, Safari, Chrome
- System Requirements:
  - Enough space for data
  - Enough performance (Ram Memory, Processor)
  - Reliable and fast internet connection

Questions?

Thank you!