Your Project Title

Project Requirements and Specifications

Your Sponsor



Sponsor logo (if any)

**Your Team Name & Team Logo**

(Provide a list of team members)

[Date]

**Note**: Recall that this writing assignment says:

Length = 3 pages text + appendixes as needed.

Some materials do not count towards this 3 page minimum. These excluded parts include:  
 Cover page  
 Table of contents  
 Pictures  
 Images  
 Use-case UML diagrams

Posted as a single self‐contained file (no links to outside resources.)

Posted as a PDF file to both Blackboard and your team’s Assignments GitLab repository

Typed single‐spaced.

Typed with black text.

Typed with #11 font size.

Typed using Arial font.

Typed with one inch margins on sides, top and bottom.

**(Please erase this page in your final document.)**

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# Introduction

The LAMI team has been tasked with the continued construction of the LAMI app for medication reminders for the residents in the LAMI residence. As stated this app will be used for the residents of the LAMI house who have mental illness and will serve as a reminder app that will help them take their medication at specified times. There will be a sign-in for both the caretakers and the residents so the residents can have safety in knowing the only people that can view their medications are the caretakers who will act as a secondary reminder ( in the case that the resident does not take their medication after being prompted by the app). The end goal of this project is to create an app that is easy and enjoyable to use, making the task of remembering to take medication as easy as possible.

# System Requirements Specification

* Residents of the house should be able to access/run the application on iOS or Android operating systems.
* Residents of the house should be able to access/run the application on iOS, Android, or in a web browser.

## Use Cases

**Story:** Helene Davids is the employee currently overseeing the house and one of the residents, Oliver James, has just been prescribed a new medication. Helene wants to make sure that Oliver has set a reminder to take his new medication, but Helene isn’t scheduled to go back to the house until 3 days from now. She pulls out her phone and logs on to the LAMI app. She selects Oliver’s name from the list of current residents and sees that he has already set a reminder and thinks “I don’t know why I was worried, Oliver is awesome!”.

**Story:** Micah Ferguson is the employee currently overseeing the house and one of the residents, Brandy Hartford, has been acting a little different than usual. Micah wants to make sure that Brandy has been taking all of the medications she is supposed to. Micah logs on to the LAMI website, selects Brandy from the list of current residents, and opens her progress report. He sees that she has not been very consistent with taking her medications, so he makes a plan to talk to her and see how he can help.

## Functional Requirements

List the functional requirements in this section[[1]](#footnote-0).

Include a subsection for each main part/module of your product and list the requirements for the module in that subsection. (*Please note that we are not considering any design issues yet. Each module (subsection) refers to a major part/functionality of the product, not to sub-section in the architecture. This classification of requirements is intended to improve the readability of the document.*)  
  
Generally, functional requirements are expressed in the form "system must do <requirement>”

Briefly describe each requirement and specify the client/stakeholder need(s) that requirement maps to. Each requirement should appear in ONLY ONE sub-section of the document.

Here is an example template for requirement specification: (*the requirement template is formatted with blue for readability. Please remove the color formatting in your document*.)

### [The name of the module/component/part]

List your requirements for this project module here. Each listed requirement MAY INCLUDE the following items:

**[Enter a Concise Requirement Name]:** [provide a concise description, in clear and easily understandable language to specify the requirement]

**Source**: [specify who/what originated this requirement, specify the client/stakeholder need(s) that requirement maps to]

**Priority**: specify the priority of this requirement, you may use the following scale to specify priority of the requirements:

Priority Level 0: Essential and required functionality

Priority Level 1: Desirable functionality

Priority Level 2: Extra features or stretch goals

Repeat the above for each requirement.

### [The name of the next module/component/part]

List your requirements for the next project module here based on the requirements template described above. Include a subsection for each part.

## Non-Functional Requirements

List the non-functional requirements in this section. Non-functional requirements define system properties (e.g. reliability, response time and storage requirements, etc.) and constraints (e.g. I/O device capability, system representations, etc.)[[2]](#footnote-1)   
  
Generally, non-functional requirements take the form "system shall be <requirement>."

Process requirements may also be listed here (e.g. specifying a particular programming language or development method.) This will include any general testing plans, but there is a later assignment that will go into much greater depth about testing the product.

Please refer to Section 4.4.7 in the book “Object-Oriented Software Engineering” for example categories of non-functional requirements.

You may use the following template for non-functional requirements (Please remove the color formatting in your final document):

**[Enter a Concise Requirement Name]:**

[provide a concise description, in clear and easily understandable language to specify the requirement]

# System Evolution

This should describe the fundamental assumptions on which your project is based, and any anticipated changes due to hardware evolution, changing user needs, and so on. This section is useful as it may help avoid design decisions that would constrain likely future changes to your project. They are also designed to identify risk points in your design process, which need to be kept in mind as your development continues. These can be hardware, software, or client issues where your assumptions about what will work or be required end up being incorrect. For example, if you think the computer platform you’re choosing might have driver issues you’ll have to either do significant extra work to fix the drivers or find another platform on a short timeline. That’s something you should note in this section as an anticipated change point.

# Glossary

Define technical terms used in the document.

# References

Cite your references here.

For the papers you cite give the authors, the title of the article, the journal name, journal volume number, date of publication and inclusive page numbers. Giving only the URL for the journal is not appropriate.

For the websites, give the title, author (if applicable), date accessed, and the website URL.

Please use either IEEE or Chicago format for your references. Keep in mind that Google Scholar or BibTeX can help you easily format your citations for periodicals and journals.

1. https://en.wikipedia.org/wiki/Functional\_requirement [↑](#footnote-ref-0)
2. https://en.wikipedia.org/wiki/Non-functional\_requirement [↑](#footnote-ref-1)