(*PROJECT TITLE*)

Project Documentation Submitted to the Faculty of the

School of Computing and Information Technologies

Asia Pacific College

In Partial Fulfillment of the Requirements for

Applied Projects for IT

MCSPROJ

By

(*Team Member 1*)

(*Team Member 2*)

(*Team Member 3*)

ASIA PACIFIC COLLEGE

Approval Sheet

(Project Title)

Prepared and Submitted by

(*Team Member 1*)

(*Team Member 2*)

(*Team Member 3*)

In Partial Fulfillment of the Requirements for the Degree of

Bachelor of Science in Information Technology

Examined and Recommended for Acceptance and Approval for

Research/Capstone Presentation

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

<Name>, Adviser

Panelists

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

<Name>, Chairperson

|  |  |
| --- | --- |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| <Name>, Panel Member | <Name>, Panel Member |

Acceptance and Approved in Partial Fulfillment of the Requirements for the Degree of

Bachelor of Science in Information Technology

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Rhea-Luz R. Valbuena

Executive Director

School of Computing and Information Technologies

Table of Contents

[Executive Summary i](#_Toc135911823)

[List of Figures ii](#_Toc135911824)

[List of Tables iii](#_Toc135911825)

[Introduction 1](#_Toc135911826)

[Project Context 1](#_Toc135911827)

[Statement of the Problem 1](#_Toc135911828)

[Objectives 1](#_Toc135911829)

[Significance of the Project 2](#_Toc135911830)

[Scope and Limitations 2](#_Toc135911831)

[Review of Related Literature / Systems 3](#_Toc135911832)

[Technical Background 4](#_Toc135911833)

[Current System 4](#_Toc135911834)

[Proposed System 4](#_Toc135911835)

[Methodology 4](#_Toc135911836)

[Requirements Analysis 4](#_Toc135911837)

[Product Backlog / User Stories 4](#_Toc135911838)

[Event Tables 4](#_Toc135911839)

[Use Case Diagrams 4](#_Toc135911840)

[Use Case Full Description 4](#_Toc135911841)

[Gap Analysis 4](#_Toc135911842)

[System Analysis and Design 5](#_Toc135911843)

[Context Diagram 5](#_Toc135911844)

[Data Flow Diagrams 5](#_Toc135911845)

[Entity-Relationship Diagrams 5](#_Toc135911846)

[Activity Diagrams 5](#_Toc135911847)

[Object Diagrams 5](#_Toc135911848)

[Class Diagrams 5](#_Toc135911849)

[Sequence Diagrams 5](#_Toc135911850)

[Package Diagram 5](#_Toc135911851)

[Component Diagram 5](#_Toc135911852)

[Deployment Diagram 5](#_Toc135911853)

[Results and Discussion 6](#_Toc135911854)

[Release Plan 6](#_Toc135911855)

[Prototype 6](#_Toc135911856)

[Use Classes and Characteristics 6](#_Toc135911857)

[Conclusion 7](#_Toc135911858)

[References 8](#_Toc135911859)

[Appendices 9](#_Toc135911860)

[Appendix A: Project Vision 9](#_Toc135911861)

[Appendix B: Schedule 10](#_Toc135911862)

[Appendix C: Product Roadmap 11](#_Toc135911863)

[Appendix D: Users’ Manual 12](#_Toc135911864)

[Appendix E: Team Meetings 13](#_Toc135911865)

[Appendix F: Source Code 14](#_Toc135911866)

[Appendix G: Curriculum Vitae 15](#_Toc135911867)

[Appendix H: Links 16](#_Toc135911868)

# Executive Summary

(

*Refer to the following when writing this part of your paper:*

[*​How to Write an Executive Summary for Your Proposal*](https://www.proposify.com/blog/executive-summary)

[*How to Write a Compelling Executive Summary*](https://www.inc.com/geoffrey-james/how-to-write-a-compelling-executive-summary.html)

)

# List of Figures

(

*Add this to your paper if there you have inserted figures; otherwise, delete this section, including the header*

*To add a list of figures,*

1. *Ensure that each figure has been properly captioned (Right clickInsert caption)*
2. *Put the cursor below the* ***List of Figures*** *heading, then go to the* ***References*** *tab and click on* ***Insert Tables of Figures*** *located in the* ***Captions*** *group. The caption label should be set to* ***Figure****.*

)

# List of Tables

(

*Add this to your paper if there you have inserted figures; otherwise, delete this section, including the header*

*To add a list of figures,*

1. *Ensure that each figure has been properly captioned (Right clickInsert caption)*
2. *Put the cursor below the* ***List of Tables*** *heading, then go to the* ***References*** *tab and click on* ***Insert Tables of Figures*** *located in the* ***Captions*** *group. The caption label should be set to* ***Table****.*

)

# Introduction

(

*The following link may help you in filling in this chapter:*

[*https://www.quora.com/What-is-the-difference-between-the-project-background-problem-definition-aims-of-project-project-justification-and-scope-of-project*](https://www.quora.com/What-is-the-difference-between-the-project-background-problem-definition-aims-of-project-project-justification-and-scope-of-project)

)

## Project Context

(

*In this section, other than writing the context of the project (who is/are your clients, description of the business or unit in APC that you are helping), include an explanation of the current system that you wish to improve. Add helpful figures/diagrams. When you do insert diagrams, make sure that each one is properly described/discussed. Include here your project goal. Refer to this* [*link*](https://thedigitalprojectmanager.com/project-objectives/) *to determine the definition of a project goal. Ensure that your project goal is aligned with your client’s business strategy. It will be helpful if you state here the vision and/or mission of your client, or possibly their long-term strategic goal, and relate how your project contributes to that goal.*

)

## Statement of the Problem

(

*Based on the context that you have described in the previous section, state specifically the problems that you want to address with your product proposal.*

)

## Objectives

(

*Ensure that your objectives are SMART: Specific, Measurable, Achievable, Realistic, Time-bound.*

*Have a* ***main objective****, which states how you intend to address your problem. In other words, if* ***A*** *is the problem then you intend to do* ***B****, where* ***B*** *is your main objective. Then you detail* ***B*** *by writing specific objectives (all of which should contribute to the overall success of attaining* ***B****.) Have at least 3 specific objectives.*

*Use these as references:*

[*https://www.brighthubpm.com/project-planning/20136-examples-of-project-planning-objectives/*](https://www.brighthubpm.com/project-planning/20136-examples-of-project-planning-objectives/)

[*https://www.smartsheet.com/how-write-smart-project-objective*](https://www.smartsheet.com/how-write-smart-project-objective)

*https://simplicable.com/new/project-objectives*

*The problem rundown we created in class should help you in developing your project objectives. Your problem rundown statement may be your main objective. Ensure that when you re-word it, the statement is SMART.*

*Moreover, make sure that your objectives are aligned with your client’s business strategy.*

)

## Significance of the Project

(

* *Who will benefit from the result of your project? What is that benefit?*
* *How will the current situation of your user or client improve if your proposal is approved?*
* *If possible, name an* [*SDG*](https://sustainabledevelopment.un.org/?menu=1300) *that your solution may help achieve*.

)

## Scope and Limitations

(

*Use this link as reference:* [*https://image.slidesharecdn.com/writingchapters123-120107003703-phpapp02/95/writing-chapters-1-2-3-of-the-capstone-project-proposal-manuscript-22-728.jpg?cb=1325901571*](https://image.slidesharecdn.com/writingchapters123-120107003703-phpapp02/95/writing-chapters-1-2-3-of-the-capstone-project-proposal-manuscript-22-728.jpg?cb=1325901571)

)

# Review of Related Literature / Systems

(

*Improve the content of the RRL/S of your midterm paper and the format will be different. Instead of a list, you will synthesize the content.*

*First paragraph: Introduction to the chapter/overview of the chapter*

*In-between paragraphs: Combine studies/articles/systems that have similar results/features. You can have more than one paragraph here. If it is applicable, you can divide into subsections (the division can be thematic).*

*Last paragraph: Synthesize and summarize chapter content. Highlight points that will be very useful to your research/project without repeating content.*

)

# Technical Background

(

*Give an introductory paragraph for this section, discuss what it will cover.*

)

## Current System

(

*Overview of the technologies (hardware/software /network) used in the current system*

)

## Proposed System

(

*Discussion on the technologies (hardware/software/peopleware/network) to be used in developing and implementing the proposed system.*

)

# Methodology

(

*Write here the steps you took and the steps that you will take towards the completion of your project. Diagrams and illustrations with appropriate and sufficient description are highly encouraged.*

)

## Requirements Analysis

### Product Backlog / User Stories

### Event Tables

### Use Case Diagrams

### Use Case Full Description

## Gap Analysis

|  |  |  |  |
| --- | --- | --- | --- |
| Product Backlog ID | Current System | Proposed Changes | Impact |
|  |  |  |  |
|  |  |  |  |

## System Analysis and Design

### Context Diagram

### Data Flow Diagrams

### Entity-Relationship Diagrams

### Activity Diagrams

### Object Diagrams

### Class Diagrams

### Sequence Diagrams

### Package Diagram

### Component Diagram

### Deployment Diagram

# Results and Discussion

(

*Write a short introduction that describes what this section will discuss.*

)

## Release Plan

(

*Include here your updated release plan and discuss whether you are on/ahead/behind schedule. Explain also how much of the product backlog has been finished (it is up to you how you will present it, without being repetitive. You can say something like, “The complete product backlog is in Table \_\_\_”.*

)

## Prototype

(

*Include here diagrams/illustrations of your proposed solution. Include the latest screenshots. Note that each figure must be properly captioned and discussed in at least one paragraph.*

)

## Use Classes and Characteristics

(

*Insert a table here with two columns: Roles and Description*

|  |  |
| --- | --- |
| *Roles* | *Description* |
| *Student Org Representative* | *A student organization representative is a type of user. When this user makes a request, the request must be approved by the org adviser, etc..* |
| *Org adviser* | *This user approves or disapproves the request made by the representatives of the org he/she handles.* |

)

# Conclusion

(

*Write what you have accomplished so far (which of your objectives have been achieved and what needs to be done to achieve the others, if there are still any left). Summarize what you have done: specify the objectives and briefly describe how it was achieved. At the end of this chapter, write what will be done for the next iteration (for the next course in the PBL flow of subjects—MCSPROJ)*

)

# References

(

*All ideas which are not yours should be properly cited. To insert a citation,*

1. *Put the cursor on the location where you want to put the citation*
2. *Go to the* ***References*** *tab and click on* ***Insert Citation****. Fill in the required details. Use* ***IEEE*** *as the* ***Style****.*

*To insert the list of references in this section,*

1. *Go to the* ***References*** *tab and click on* ***Bibliography****.*
2. *Choose* ***References****.*
3. *Adjust the heading of this section accordingly*.

)

# Appendices

## Appendix A: Project Vision

(

*Write your updated project vision, please refer to the reference uploaded in MS Teams*

)

## Appendix B: Schedule

(

*Gantt chart or table containing your project schedule.*

)

## Appendix C: Product Roadmap

(

*Updated product roadmap file here. Make sure that content is readable*

)

## Appendix D: Users’ Manual

(

)

## Appendix E: Team Meetings

(

*Include here screenshots of meetings with adviser/consultants (please ask permission), and if possible, minutes of your meetings*

)

## Appendix F: Source Code

(

*Screenshot and link of GitHub repository.*

)

## Appendix G: Curriculum Vitae

(

Include here individual members curriculum vitae (resume).

)

## Appendix H: Links

(

Place here links to other document appendices

)