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**YAŞAR UNIVERSITY**

**FACULTY OF ENGINEERING**

**DEPARTMENT OF COMPUTER ENGINEERING**

**COMP4910 Senior Design Project 1, Fall 2018**

**Supervisor: Name and Lastname of Your Project Supervisor**

**ProjectCode: Project Title**

**Final Report**

**(Bachelor of Science Thesis)**

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# PLAGIARISM STATEMENT

This report was written by the group members and in our own words, except for quotations from published and unpublished sources which are clearly indicated and acknowledged as such. We are conscious that the incorporation of material from other works or a paraphrase of such material without acknowledgement will be treated as plagiarism according to the University Regulations. The source of any picture, graph, map or other illustration is also indicated, as is the source, published or unpublished, of any material not resulting from our own experimentation, observation or specimen collecting.

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# ACKNOWLEDGEMENTS

The acknowlodgements are here

# KEYWORDS

A list of keywords that relate to your project and your final report

# ABSTRACT

The abstract goes here

# ÖZET

Türkçe özet için ayrılmış bölümdür

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# LIST OF FIGURES

List of figures, if any, that appear in the main body of final report. Those in appendices must not be listed here.

Figure x.y. Title of the figure …………………………………………………………Page Number

# LIST OF TABLES

List of tables, if any, that appear in the main body of final report. Those in appendices must not be listed here.

Table x.y. Title of the table …………………………………………………………Page Number

# LIST OF ACRONYMS/ABBREVIATIONS

List of acronyms and abbreviations, if any, that you used in the main body of final report. Those in appendices could also be listed here or be separetly listed in appendices.

CPU Central Processing Unit

AI Artificial Intelligence

UML Unified Modeling Language

………

# 1. INTRODUCTION

# 1.1. Description of the Problem

* Give an overview of the problem area and your specific problem that you aim to solve.
* If necessary, provide a literature survey, that is who has done what in this specific problem area, with references to bibliographic resources.
* If there already exists a number of solutions/products related to your specific problem, present a comparative evaluation of these solutions/products.
* State that a detailed description of the problem is provided in Appendix A: Requirement Specifications Document, v3.0.

# 1.2. Project Goal

Goal(s) of your project, for example develop a prototype, a model, a software product, a hardware product, a hardware/software product, a process etc in ……, basically extracted from Section 1.1 of this report.

# 1.3. Project Output

Your project outputs in this course are a software product or a hardware product or a hardware/software product, with all the associated documents such as RSD’s, DSD’s and PM. Give a list of all project outputs.

# 1.4. Project Activities and Schedule

Your activities and schedule starting with COMP 495 activities, then 496 activities, i.e. produce first version of problem definnition, our 495 project form, then produce RSD v1.0, then DSD v1.0 as high level design, then DSD v2.0 as detailed design, then implementation and testing activities, then PM, etc

# 2. DESIGN

# 2.1. High Level Design

* Briefly describe what you have done as high level design
* State that your high level design is provided in Appendix B: Design Specifications Document, v2.0, sections ……...Of course, your high level design must exist in the referenced sections of this appendix.

# 2.2. Detailed Design

* This section will be completed in COMP 4920

# 2.3. Realistic Restrictions and Conditions in the Design

* Briefly describe restrictions in your high level/detailed design. For example, no security, limited passwword enforcement, serves only up to 1000 users simultaneosly, does not support distributed files, etc.etc.
* If you have already written about your design decisions related to restrictions and conditions in your design, then you can simply reference the related sections in Appendix B: Design Specifications Document, v1.0, sections ……...Of course, your your design decisions must exist in the referenced sections of this appendix.

# 3. IMPLEMENTATION, TESTS and TEST DISCUSSIONS

# 3.1. Implementation of the Product

* This section will be completed in COMP 4920

# 3.2. Tests and Results of Tests

* This section will be completed in COMP 4920

# 4. CONCLUSIONS

# 4.1. Summary

* Summary of your project, what you have promised and what you have achieved

# 4.2. Cost Analysis

* Manpower spent in your project, in man-days, for each team member, per month and total. Assume one man-day means “actually working” for 8 hours, excluding any tea/coffee/lunch breaks. Provide a detailed table showing manpower for each month and for each team member and also totals for each month, each team member and overall manower effort.
* Any hardware and/or software bought for your project. Provide a detailed table item, brand name,model, properties and cost.
* Perform a simple cost analysis based on information you provide

# 4.3. Benefits of the Project

* What are the benefits of your product to its users, to human kind, animals, plants, to nature, etc..

# 4.4. Future Work

* Mostly, what is to be completed in COMP 4920
* What could be added to your project in future, in terms of additional functionality, more performance, larger or different data, etc..

# References

1. References to bibliographic sources, like professional books, textbooks, handbooks, patents, standards, technical reports, journal/conference papers, etc. that you have used in your project.
2. References to organizational design process procedure document(s), or a generic design process procedure document(s), if any (i.e. any documents you have used during your summer practice in a company and were also useful in your project.
3. References to organizational design product specification document(s), or a generic design product specification document(s), if any. Similar to (1).
4. Other references to additional documents, like other internal organizational documents, software project management documents, software design tool documents, etc, if any. Similar to (1).

# APPENDICES

# APPENDIX A: REQUIREMENTS SPECIFICATION DOCUMENT

# APPENDIX B: DESIGN SPECIFICATION DOCUMENT