**SOFTWARE DESIGN DESCRIPTIONS**

***for***

**[PROJECT NAME]**

***Prepared By***

[Grup Name]

[Grup Members]

[Due Date]

CHANGE HISTORY

*[The change history shall include the project name, version number of the report, date of release and a list of version numbers and dates of release of all previous versions of the Software Design Descriptions report.]*

PREFACE

*[The preface of the Software Design Descriptions shall describe the scope and context of the Software Design Descriptions report.]*

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# INTRODUCTION

## Purpose and Scope of the SDD

This document provides a representation and model of the software within the limitations indicated in the SRS document of the software.

SDD document has an important role in the development and maintenance of the system. Therefore, all the design information needed by project managers, quality assurance staff, configuration managers, software designers, programmers, tester, and maintainers are contained in the SDD document of the system.

The scope of the SDD document is to design all the design information needed. This document contains a structural overview of all modules, interfaces, and data. It also contains a detailed design of each module. The objective of this document is to provide sufficient design information to allow for successful implementation and testing of the project.

## Definitions and Acronyms

*In this subsection, all the necessary definitions and acronyms required to properly interpret the SDD will be specified.*

# REFERENCES

*In this subsection, a complete list of all documents referenced in the SDD will be specified.*

# DECOMPOSITION DESCRIPTION

*Module1*

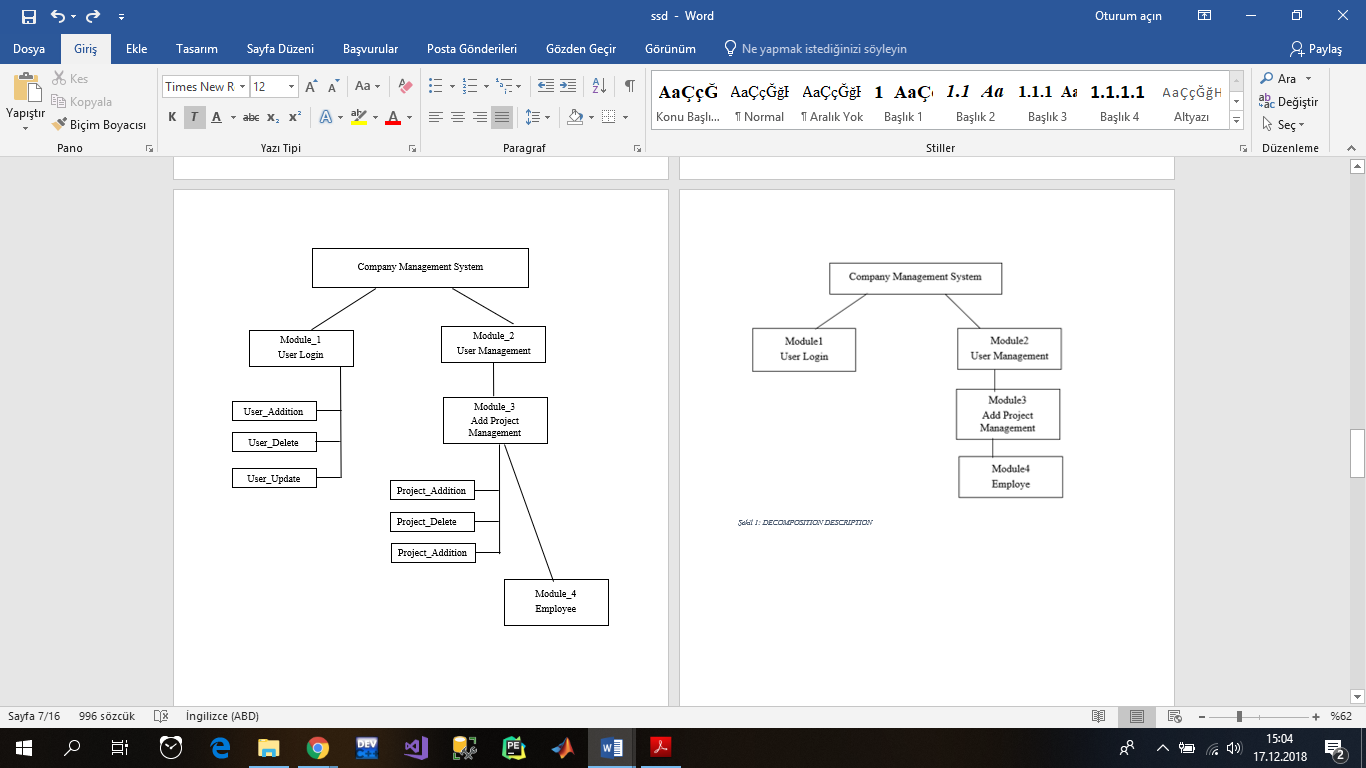
|  |  |  |
| --- | --- | --- |
| **Identification** | **:** | Module 1 Compant\_Magement |
| **Kind** | **:** | Packet |
| **Purpose** | **:** | To represent the collection of interfaces for users of the Company Management |
| **Function** | **:** | In the Company Management this module makes the basic operations about the user, logging on to the user. |
| **Subordinates** | **:** | ----- |

*Module 2*

|  |  |  |
| --- | --- | --- |
| **Identification** | **:** | Module 2 Company\_Management |
| **Kind** | **:** | Packet |
| **Purpose** | **:** | In Company Management, this module enters the administrator username. |
| **Function** | **:** | --- |
| **Subordinates** | **:** | ----- |

*Module 3*

|  |  |  |
| --- | --- | --- |
| **Identification** | **:** | Module 3 Company\_Management |
| **Kind** | **:** | Packet |
| **Purpose** | **:** | The manager distributes the project to the employees. |
| **Function** | **:** | --- |
| **Subordinates** | **:** | ----- |



Şekil 1 : DECOMPOSITION DESCRIPTION

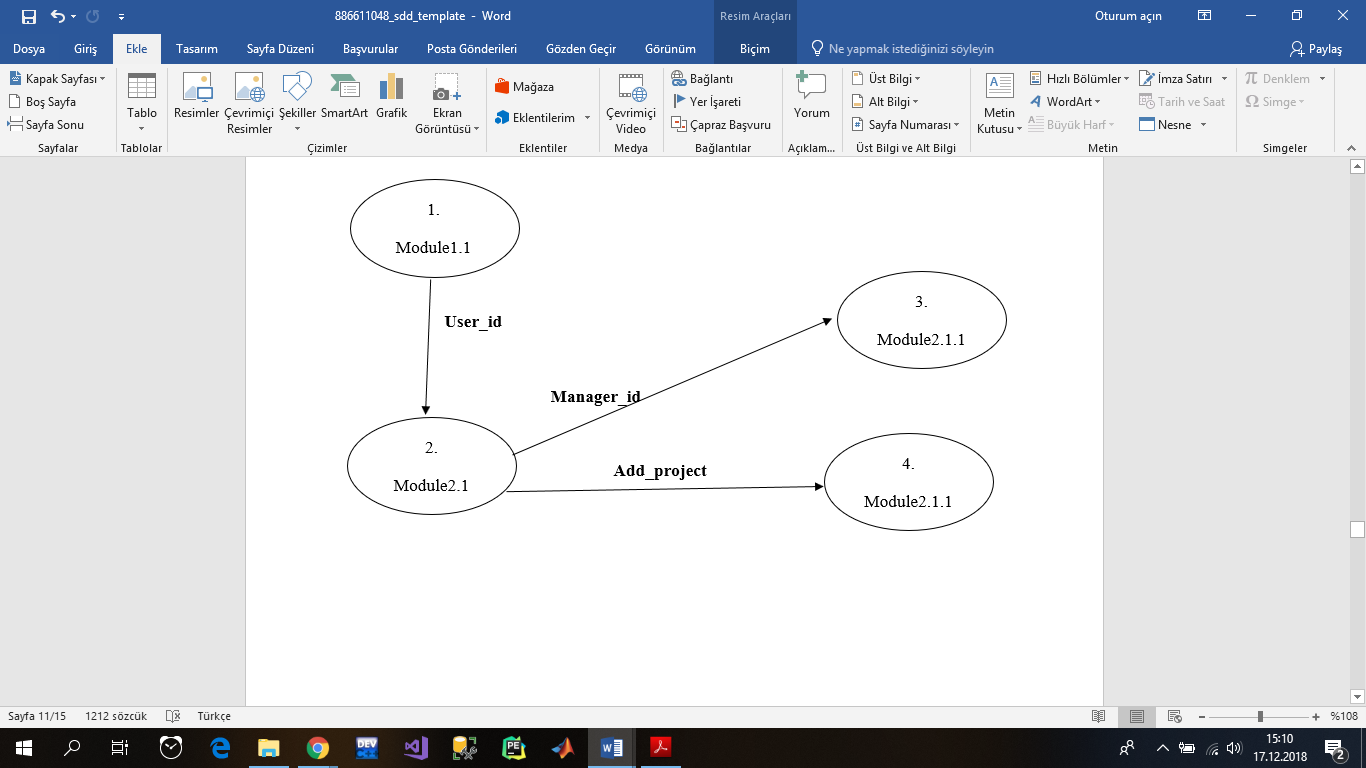
# DEPENDENCY DESCRIPTION

|  |  |  |
| --- | --- | --- |
| **Identification** | **:** | Module 1.1 User\_Management |
| **Type** | **:** | Class |
| **Purpose** | **:** | To provide an interface, where the user shall enter the necessary inputs in order to login to the Company Management, and to send the inputs entered to the server software. |
| **Dependencies** | **:** | The description of the data dependencies of this entity with other entities is given in Example Diagram. |
| **Resources** | **:** | java.applet.\* java.awt.\* java.awt.event.\* java.net.\* java.lang.\* |

|  |  |  |
| --- | --- | --- |
| **Identification** | **:** | Module 2.1 Manager\_Management |
| **Type** | **:** | Class |
| **Purpose** | **:** | To provide an interface, where the manager shall enter the necessary inputs in order to login to the Company Management, and to send the inputs entered to the server software. |
| **Dependencies** | **:** | The description of the data dependencies of this entity with other entities is given in Example Diagram. |
| **Resources** | **:** | java.applet.\* java.awt.\* java.awt.event.\* java.net.\* java.lang.\* |

|  |  |  |
| --- | --- | --- |
| **Identification** | **:** | Module 2.1.1 Manager\_Management |
| **Type** | **:** | Class |
| **Purpose** | **:** | The manager added projects and distributed projects to employees. |
| **Dependencies** | **:** | The description of the data dependencies of this entity with other entities is given in Example Diagram. |
| **Resources** | **:** | java.applet.\* java.awt.\* java.awt.event.\* java.net.\* java.lang.\* |

|  |  |  |
| --- | --- | --- |
| **Identification** | **:** | Module 2.1.2 Employe\_Management |
| **Type** | **:** | Class |
| **Purpose** | **:** | Employees receive projects that the manager has installed. |
| **Dependencies** | **:** | The description of the data dependencies of this entity with other entities is given in Example Diagram. |
| **Resources** | **:** | java.applet.\* java.awt.\* java.awt.event.\* java.net.\* java.lang.\* |



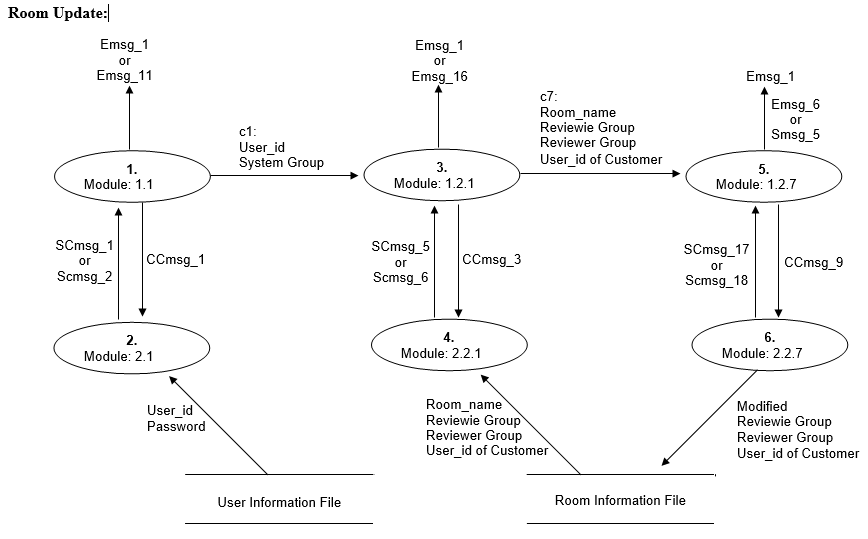
Şekil 2 : DEPENDENCY DESCRIPTION

# INTERFACE DESCRIPTION

*The entity interface description shall provide the details of external and internal interfaces in order the designers and programmers to correctly use the functions provided by an entity. The attribute descriptions for identification, function and interfaces shall be included in that design view.*

*The interface description shall serve as a contract between designers and programmers. It shall provide them with an agreement needed before proceeding with the detailed design of entities about how cooperating entities shall interact. Each entity interface shall contain everything another designer or programmer needs to know to develop software that interacts with that entity.*

*The interface description should provide the language for communicating with each entity to include screen formats, valid inputs, and resulting outputs. For those entities that are data driven, a data dictionary should be used to describe the data characteristics. For this purpose you can give Data Flow Diagrams with valid inputs and resulting outputs.*



# DETAILED DESIGN DESCRIPTION

Contains the internal details of each design entity. These details include the attribute description for identification, processing and data.

Contains the details needed by programmers prior to implementation, used to aid in producing unit test plans.

Flowcharts shall be used to describe the details of each design entity.

