

1. Project team

Team name, members, leader.

2. System description

2.1. Name

Name of the system: one to several words, abbreviation.

2.2. Purpose

Purpose and mission of the system in one-two sentences.

2.3. Description

Description in free form of business, requirements, functionality, environment, current situation by one-two pages looking of the system customer perspective.

Additionally could be provided several principal software screen views or prototypes.

3. System specification

For each subsection, where is indicated, there should be drawn at least one diagram and its elements' description in tables and/or in free form.

3.1. Acting actors and objects

Write down system actors and objects.

Actors' characteristics (attributes) and functions.

Objects' characteristics (attributes) and operations.

Full enumeration and description in tables with explanations and examples of all domain attributes, functions and operations.

3.2. Logical function groups

Grouping of all system functions into logical groups (packages).

Package diagram with links between packages, description.

3.3. Use cases

Use case diagram, description.

Additionally there could be provided user-function matrix.

3.4. Links between actors and objects, classes

Determine links between actors and objects, write down acting classes.

Class diagram with links between classes, description.

At least one object diagram with specific system objects and links between them, description.

3.5. Subsystems

Grouping classes into subsystems.

Packages (subsystems) diagram with links between subsystems, description.

3.6. States of system elements and transitions

State diagrams with transitions of selected system elements, description.

3.7. Database structure

Diagram of database tables and links between them (using class diagram notation), description.
Full enumeration of all (including technical) attributes.

3.8. Activity procedures

Activity diagrams of system functionality, description.

3.9. System software components (modules) and data flows

Components diagram with links between modules, description.

3.10. Operating environment and hardware components

Deployment diagram with links between nodes, description.

3.11. Interaction, collaboration

Optional subsection with additional grading.

Sequence diagram of selected system elements, description.

Communication diagram of selected system elements, description.