Scrum Planner

Use-Case Model

Version 1.1

Revision History

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# Use-Cases Identification

This sections aims to describe the most important use cases of the Scrum Planner application.

Use case: Company registration

Level: User-goal level

Primary actor: Software company employee

Preconditions: Software company must not be previously registered

Trigger: The company employee presses the registration button on the registration form

Postconditions: The company is registered if flow is successful. In case of failure, the company employee cannot complete the registration process.

Main flow:

1. The company employee fills in the required information.
2. The system checks the information's validity.
3. The employee is notified of the successful registration of the company.

Exceptional flow:

1. If the information is invalid, an error message is shown. Go to step 1.
2. If the company is already registered an information message is shown. Go to step 1.

Use case: Company employee / independent software developer registration

Level: User-goal level

Primary actor: Software company employee / independent software developer

Preconditions: Software company employee / independent software developer must not be previously registered

Trigger: The company employee / independent software developer presses the registration button on the registration form

Postconditions: The company employee / independent software developer is registered if flow is successful. In case of failure, the registration process can not be completed.

Main flow:

1. The company employee / independent software developer fills in the required information
2. The system checks the information's validity
3. The company employee / independent software developer is notified of the successful registration

Exceptional flow:

1. If the information is invalid, an error message is shown. Go to step 1
2. If the company employee / independent software developer is already registered an information message is shown. Go to step 1.

Use case: Login

Level: User-goal level

Primary actor: Company employee / independent software developer

Preconditions: Company employee / independent software developer must be registered

Trigger: Company employee / independent software developer presses the login button

Postconditions: Company employee / independent software developer is logged into application is flow is successful. In case of failure, the login process can not be completed.

Main flow:

1. The company employee / independent software developer fills in the required information
2. The system checks the information's validity
3. The company employee / independent software developer is logged into the application

Exceptional flow:

1. If the information is invalid, an error message is shown. Go to step 1

Use case: Scrum project creation

Level: User goal-level

Primary actor: Project manager / independent software developer

Preconditions: The project does not exist in the company for the project manager, or in the independent software developer's project list

Trigger: The actor presses the create project button

Postconditions: The project is created if flow is successful. In case of failure, the project can not be created.

Main flow:

1. The actor fills in the required information
2. The system checks the information's validity
3. The project is created and added to the project's list for the actor

Exceptional flow:

1. If the information is invalid, an error message is shown. Go to step 1

Use case: Creation of user stories

Level: User goal-level

Primary actor: Project manager / independent software developer

Preconditions: The user story with the same title does not exist in the project

Trigger: The actor presses the create user story button

Postconditions: The user story is created if flow is successful. In case of failure, the user story can not be created.

Main flow:

1. The actor fills in the required information
2. The system checks the information's validity
3. The user story is created and added to the backlog section of the board

Exceptional flow:

1. If the information is invalid, an error message is shown. Go to step 1

Use case: Join a project

Level: User goal-level

Primary actor: Project manager / Company employee / independent software developer

Preconditions: The actor is not already in the project's list of participants

Trigger: The actor preses the join project button of a project he has permission to see

Postconditions: The actor joins the project in case the flow is successful. In case of failure, the actor cannot join the project.

Main flow:

1. The actor accesses his list of projects
2. The actor presses the join project button

Exceptional flow:

1. Use case can fail in case of central server failure. Go to step 1.

# UML Use-Case Diagrams

