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| ID and name | UC-1: Open a new issue | | |
| --- | --- | --- | --- |
| Primary actor | ProjectMember | Secondary actors |  |
| Description | A project member accesses the Project Issue Management System and opens a new issue to a specific project that he is a member of. | | |
| Trigger | A project member or a user of the application discovers a bug. | | |
| Preconditions | PRE-1: ProjectMember is logged in | | |
| Postconditions | POST-1: A new issue is opened that describes the problem. | | |
| Normal flow | 1. ProjectMember asks to display all the projects that he is a member of.(See 1.1 E1)  2. PIMS displays all the projects that ProjectMember is a member of.  3. ProjectMember selects the project that he wants to submit and issue to.  4. PIMS displays the project page that contains a list of project issues.(see 1.1)  5. ProjectMember clicks on the “Open new issue” button.  6. PIMS displays the issue creation form.  7. ProjectMember fills the form with the required details(name, description).  8. ProjectMember clicks on the create new issue button.(see 1.0 E1)  9. PIMS confirms that the new issue has been created and redirects ProjectMember the the created issue page. | | |
| Alternative flows | **1.1 Similar issue already exists**  1. The user exits the application. | | |
| Exceptions | **1.0 E1 ProjectMember submitted blank form data**  1. The PIMS asks the ProjectMember to re-enter the data.  **1.1 E1 ProjectMember isn’t a member of the project that he wants to submit an issue to.**  1. PIMS informs the ProjectMember that he isn’t part of the project.  2. The ProjectMember can request to join the specific project, or he can contact someone that is already a project member. | | |

| ID and name | UC-2 Add tags to existing issue | | |
| --- | --- | --- | --- |
| Primary actor | ProjectProgrammer | Secondary actors |  |
| Description | A project programmer wants to add some tags to an existing issue in one of the projects that he is a member of. | | |
| Trigger | The programmer wants to add more information to the issue by tagging it with pre-existent tags. | | |
| Preconditions | PRE-1: ProjectMember is logged in | | |
| Postconditions | POST-1: Added tags to a specific issue. | | |
| Normal flow | 1. ProjectProgrammer asks to display all the projects that he is a member of.(See 1.1 E1)  2. PIMS displays all the projects that ProjectMember is a member of.  3. ProjectProgrammer selects the project where the issue is opened.  4. PIMS displays the project page that contains a list of project issues.  5. ProjectProgrammer clicks on the issue he wants to add tags to.  6. PIMS displays the issue page.  7. ProjectProgrammer clicks on the add tags button.  8. PIMS displays available tags.  9. ProjectProgrammer selects and submits the tags that apply to this issue.  10. PIMS confirms that the tags were added. | | |
| Alternative flows | - | | |
| Exceptions | **1.1 E1 ProjectMember isn’t a member of the project that he wants to submit an issue to.**  1. PIMS informs the ProjectMember that he isn’t part of the project.  2. The ProjectMember can request to join the specific project, or he can contact someone that is already a project member. | | |

| ID and name | UC-3 Create new Project | | |
| --- | --- | --- | --- |
| Primary actor | User |  |  |
| Description | User creates a new project in the project issue management system. | | |
| Trigger | The user needs a project for him and his team. | | |
| Preconditions | PRE-1: User is logged in | | |
| Postconditions | POST-1: Added a new project to the project list. | | |
| Normal flow | 1. User asks to display all existing projects.  2 PIMS displays the list with all existing projects.  3. User clicks on the “New Project” button.  4. PIMS displays the project creation form.  5. User fills the project creation form and submits it.  6. PIMS confirms that the new project was created and redirects the user to the projects view page. | | |
| Alternative flows | - | | |
| Exceptions | **-** | | |

| ID and name | UC-4: Add comment to issue | | |
| --- | --- | --- | --- |
| Primary actor | ProjectMember | Secondary actors |  |
| Description | Project member adds a comment to an issue to request or give more information. | | |
| Trigger | A project member needs to ask or give more information about a specific issue to other project programmers . | | |
| Preconditions | PRE-1: ProjectMember is logged in  PRE-2: Issue that the ProjectMember intends to comment on exists.  PRE-3: ProjectMember is a member of the project that the issue is in. | | |
| Postconditions | POST-1: A new comment is added to the issue | | |
| Normal flow | 1. ProjectMember asks to display all the projects that he is a member of.(See 1.1 E1)  2. PIMS displays all the projects that ProjectMember is a member of.  3. ProjectMember selects the project that he wants to submit an issue comment to.  4. PIMS displays the project page that contains a list of project issues.(see 1.1)  5. ProjectMember clicks on the desired issue  6. PIMS displays the issue;  7. ProjectMember fills the comment creation form and creates on the add comment button(see 1.0 E1).  8. PIMS confirms that the new comment was added. | | |
| Alternative flows | **-** | | |
| Exceptions | **1.0 E1 ProjectMember submitted blank form data**  1. The PIMS asks the ProjectMember to re-enter the data. | | |

| ID and name | UC-5: Close issue | | |
| --- | --- | --- | --- |
| Primary actor | ProjectMember |  |  |
| Description | A project member accesses the Project Issue Management System and closes an existing issue that has been solved. | | |
| Trigger | A project member solved an issue and wants to close it. | | |
| Preconditions | PRE-1: ProjectMember is logged in  PRE-2: ProjectMember is a member of the project the issue is in.  PRE-3: Issue exists. | | |
| Postconditions | POST-1: A new issue is opened that describes the problem. | | |
| Normal flow | 1. ProjectMember asks to display all the projects that he is a member of.  2. PIMS displays all the projects that ProjectMember is a member of.  3. ProjectMember selects the project that he wants to submit and issue to.  4. PIMS displays the project page that contains a list of project issues.  5. ProjectMember clicks on the desired issue.  6. PIMS displays the issue.  7. ProjectMember clicks the close issue button.  8. PIMS notifies the user that the user has been closed. | | |
| Alternative flows | **-** | | |
| Exceptions | **-** | | |

| ID and name | UC-6 Request to join existing project | | |
| --- | --- | --- | --- |
| Primary actor | User |  |  |
| Description | A user requests to join an existing project in the project issue management system. | | |
| Trigger | A user wants to join an existing project. | | |
| Preconditions | PRE-1: The User isn’t already a member of the project he wants to join. | | |
| Postconditions | POST-1: The User’s project join request was sent. | | |
| Normal flow | 1. User asks to display all the projects that he is a member of.  2. PIMS displays all the projects that ProjectMember is a member of.  3. User clicks the project that he wants to submit and issue to.  4. PIMS displays the project page.  5. User clicks on the “Join project button”.  6. PIMS notifies the user that the request has been sent. | | |
| Alternative flows | - | | |
| Exceptions | - | | |

| ID and name | UC-7: Accept requests to join your project. | | |
| --- | --- | --- | --- |
| Primary actor | ProjectLeader | Secondary actors |  |
| Description | A ProjectLeader accepts a request to join his project in the project issue management system. | | |
| Trigger | A project join request has been sent. | | |
| Preconditions | PRE-1 The project has a request to join. | | |
| Postconditions | POST-1: The request to join is deleted.  POST-2: The user is added as a project member. | | |
| Normal flow | 1. ProjectLeader asks to display his own projects. 2. PIMS displays all the projects that ProjectLeader is the owner of. 3. ProjectLeader clicks on a specific project. 4. PIMS displays the project page. 5. ProjectLeader clicks on the “View join requests” button. 6. PIMS displays the join requests for the project. 7. ProjectLeader clicks on the accept button for a specific request. 8. PIMS notifies the user that the request has been accepted. | | |
| Alternative flows |  | | |
| Exceptions |  | | |

| ID and name | UC-8: Change role of project members | | |
| --- | --- | --- | --- |
| Primary actor | ProjectLeader | Secondary actors | ProjectMember |
| Description | A ProjectLeader changes the role of a member in his project in the project issue management system. | | |
| Trigger | A member needs his role changed from Tester to Programmer or vice versa | | |
| Preconditions | PRE-1 The project has at least a member. | | |
| Postconditions | POST-1: The member’s role is changed | | |
| Normal flow | 1. ProjectLeader asks to display his own projects.  2. PIMS displays all the projects that ProjectLeader is the owner of.  3. ProjectLeader clicks on a specific project.  4. PIMS displays the project page.  5. ProjectLeader clicks on the “Members” button.  6. PIMS displays the project members.  7. ProjectLeader clicks the “Change role” button next to the ProjectMember whole role he wants to change.  8. PIMS displays the available roles.  9. ProjectLeader selects the desired role.  10. PIMS notifies the ProjectLeader that ProjectMember’s role has been changed. | | |
| Alternative flows |  | | |
| Exceptions |  | | |