

- View created projects (UC-04):

detailed use case diagram:

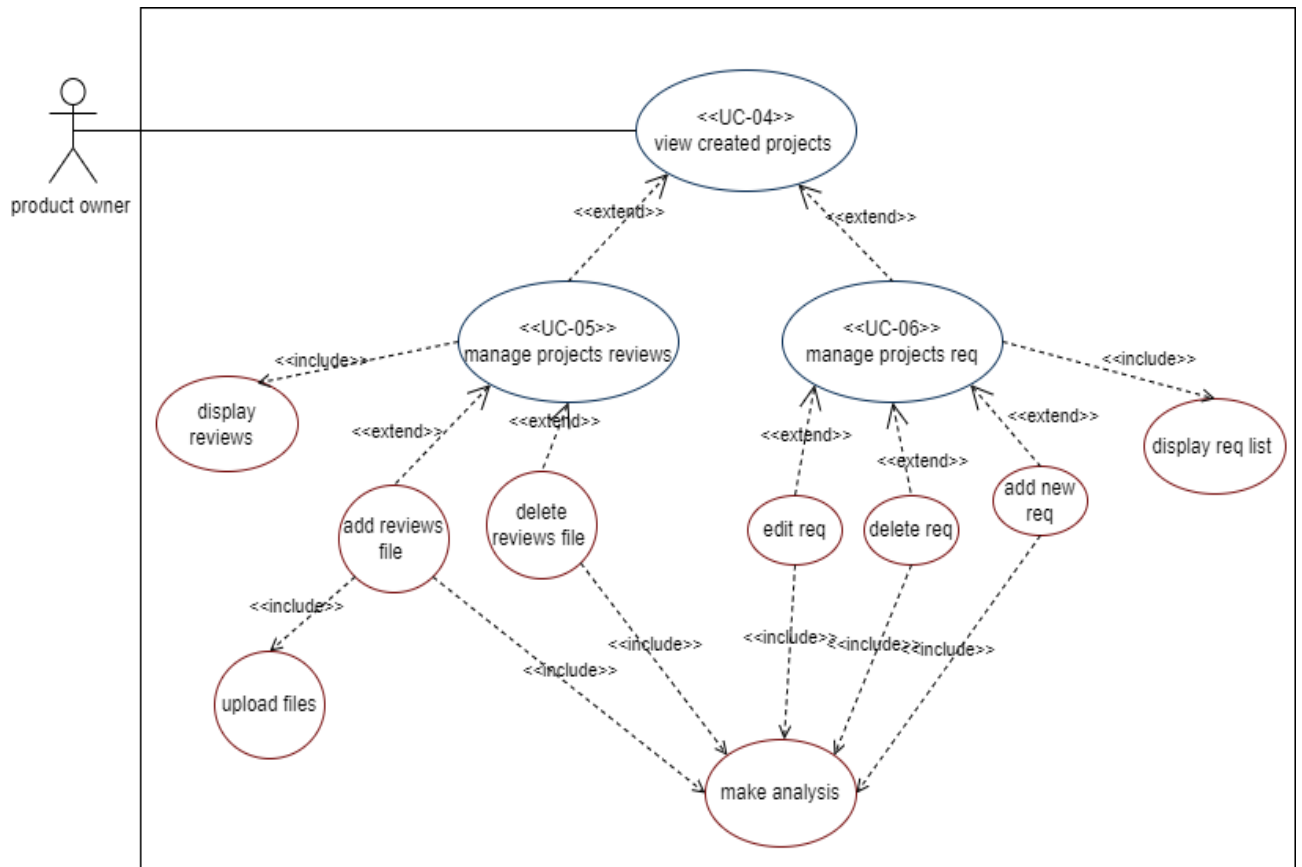


Figure 1 detailed use case diagram - view created projects

Use case specification:

Table 1 use case specification view created projects

Use case name:	View created projects
Participating Actors:	the product owner
The main flow of events:	<ol style="list-style-type: none"> 1. The product owner first chooses the projects management page. 2. The system displays a list of the projects the product owner has. 3. The product owner chooses a project from the list.

4. If the product owner chooses to [manage requirements](#).
5. The system will open the requirements management interface and display the req list for this project.
6. If the product owner asks to “add new requirement” to the table.
 - i. The system will give a new empty row on the req. table and ask the product owner to enter information to complete the row.
 - ii. The product owner will enter the req.id, req. title, req. priority.
 - iii. The system will add the new req to the req table and display it to the product owner.
 - iv. The system will trigger the analysis process for this project.
7. If the product owner, ask to “delete a specific req”.
 - i. The system will ask to confirm the process.
 - ii. The product owner will confirm the process.
 - iii. The system will delete the req from the table and display the edited table to the product owner.
 - iv. The system will trigger the analysis process for this project.
8. If the product owner, ask to “edit a specific requirement information”.
 - i. The system asks to enter the new information about the requirement.
 - ii. The product owner will enter the needed information.
 - iii. The system will edit the req. info and display it to the product owner.
 - iv. The system will trigger the analysis process for this project.
9. if the product owner chooses to [manage reviews](#).
10. The system will open the reviews management page and display the reviews for this project.
11. If the product owner chooses “add reviews file”.
 - i. The system will display the file uploading interface.

	<ul style="list-style-type: none"> ii. The user will choose a local file and confirm the process. iii. The system will check the file format. iv. The system will add the reviews of this file to the existing reviews for the same project “if any”. v. The system will start the analyzing process. <p>12. If the product owner, ask to delete a specific “review file - source”.</p> <ul style="list-style-type: none"> i. The system will ask to confirm the process. ii. The product owner will confirm the process. iii. The system will remove all the associated reviews for this file from the analysis process reviews. iv. The system will start the analyzing process.
Entry condition	The product owner logged in.
Exit conditions	The project reviews or requirements was managed in a specific way (edit, add new, edit...)

Sequence diagram:

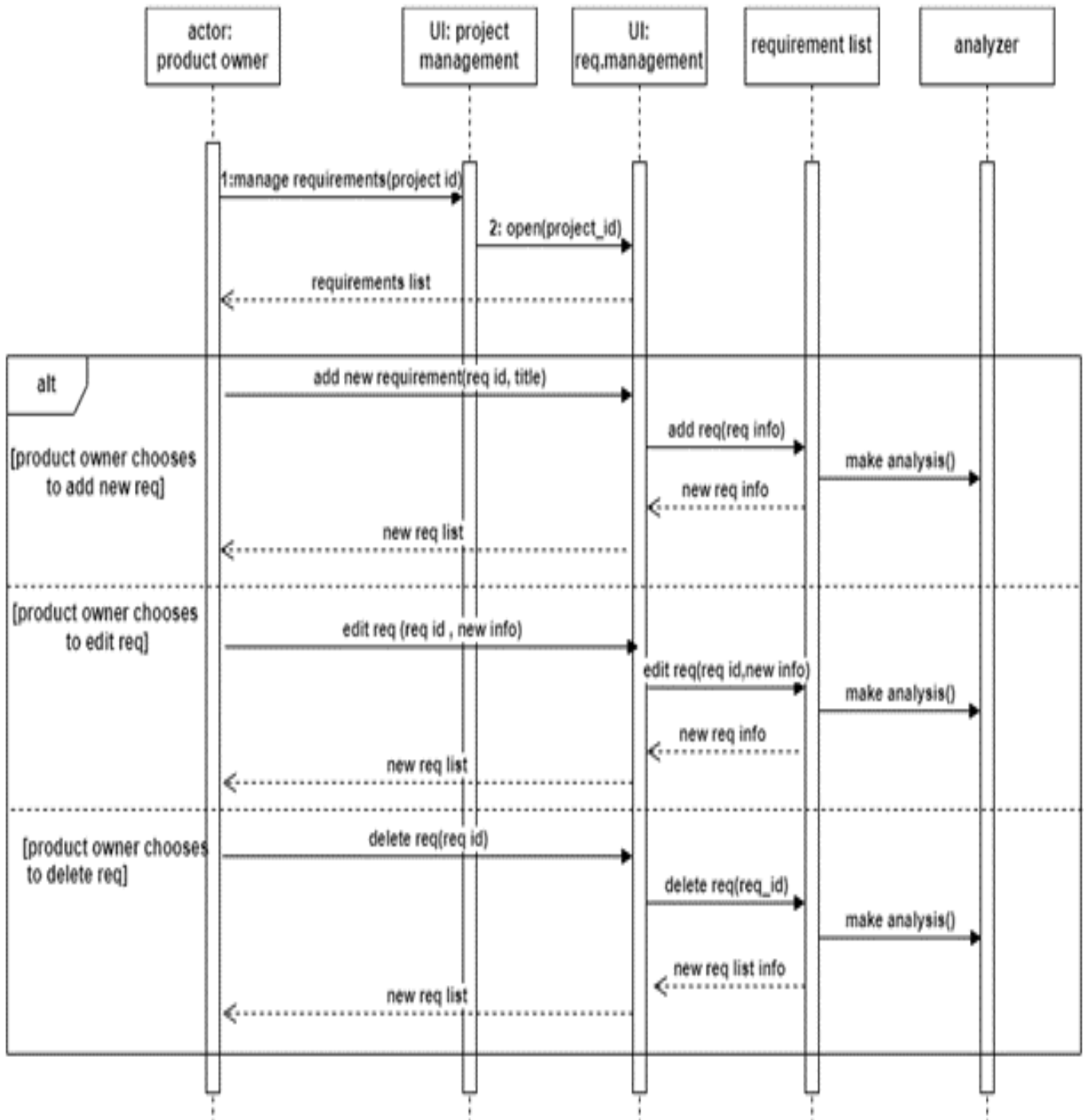


Figure 2 sequence diagram - requirements management

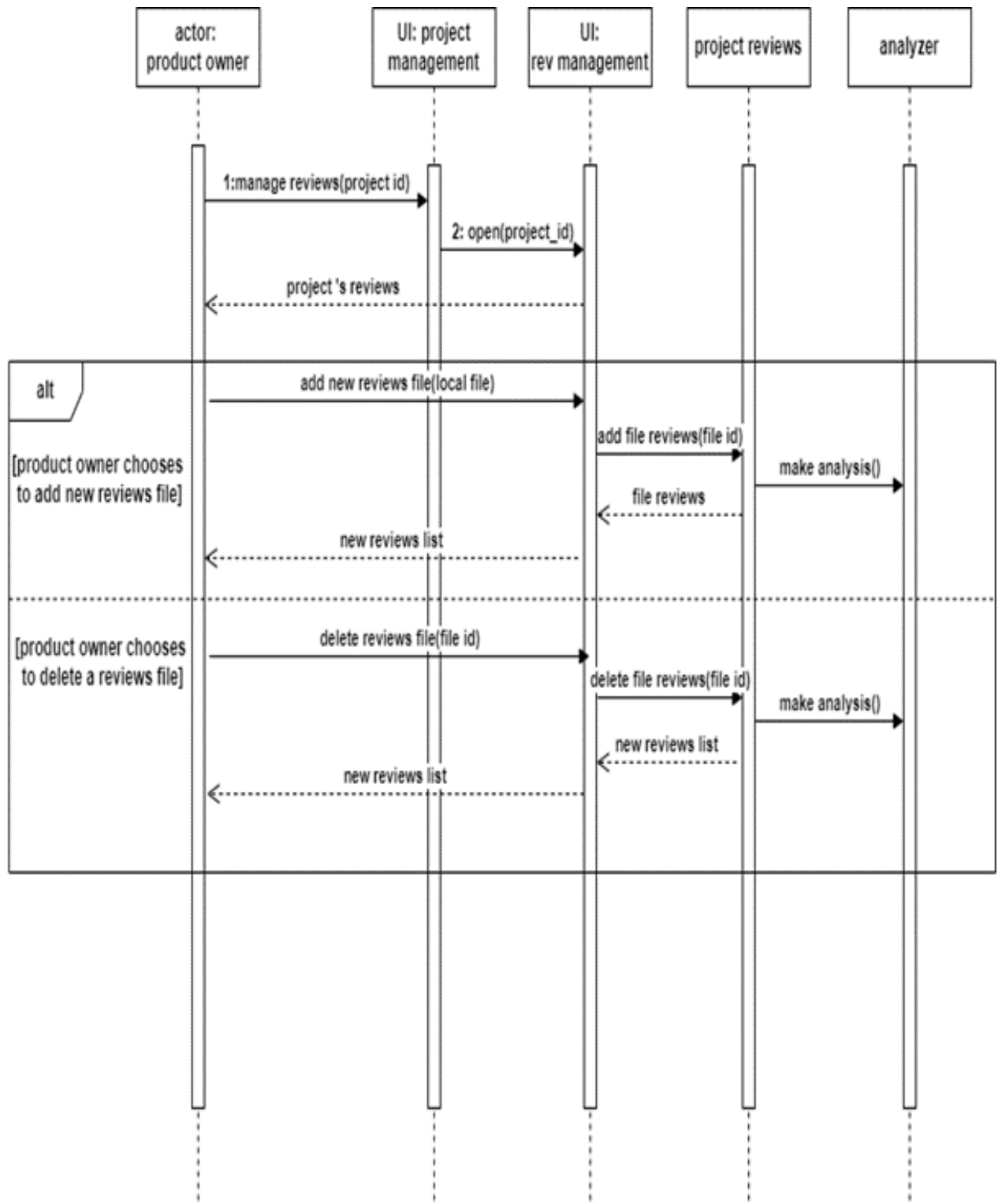


Figure 3 sequence diagram - reviews management

- View dashboard report (UC-09):

detailed use case diagram:

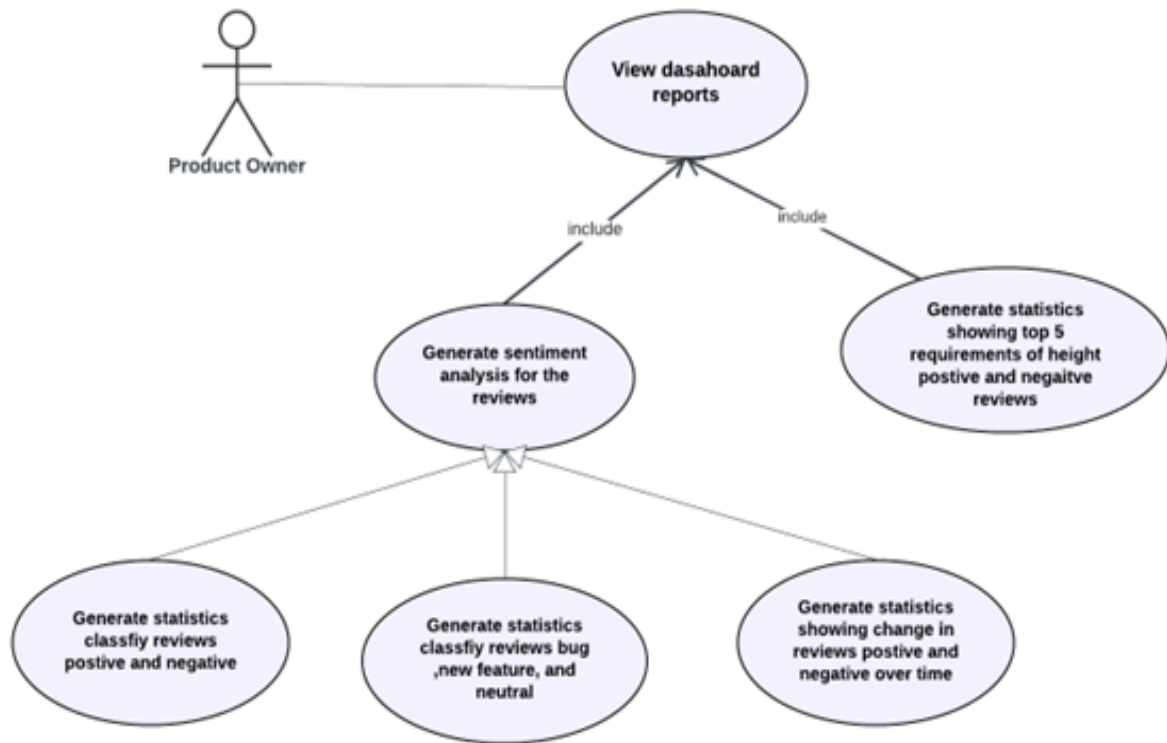


Figure 4 detailed use case - view dashboard report

Use case specification:

Table 2 use case specification - view dashboards

Use case title:	View dashboard
Participating users:	initiated by product owner
The flow of events:	<ol style="list-style-type: none"> 1. The product owner will choose the dashboard from the side menu. 2. The system will show list of current registered projects. 3. The product owner chooses one of these projects.

	<p>4. The system should show statistics and charts including:</p> <ul style="list-style-type: none"> i. area chart showing changes in reviews (positive, negative, neutral) over time. ii. pie chart classifying reviews (positive, negative, neutral). iii. pie chart classifying reviews (bug, new feature, opinion). iv. the bar chart showing the top 5 requirements of height (positive/negative) reviews. <p>5. The product owner clicks on one of these charts.</p> <p>6. The system should show more details of the chosen figure.</p>
Entry condition:	The product owner logged in
Exit conditions:	Display statistics of analysis results for the reviews.

Sequence diagram:

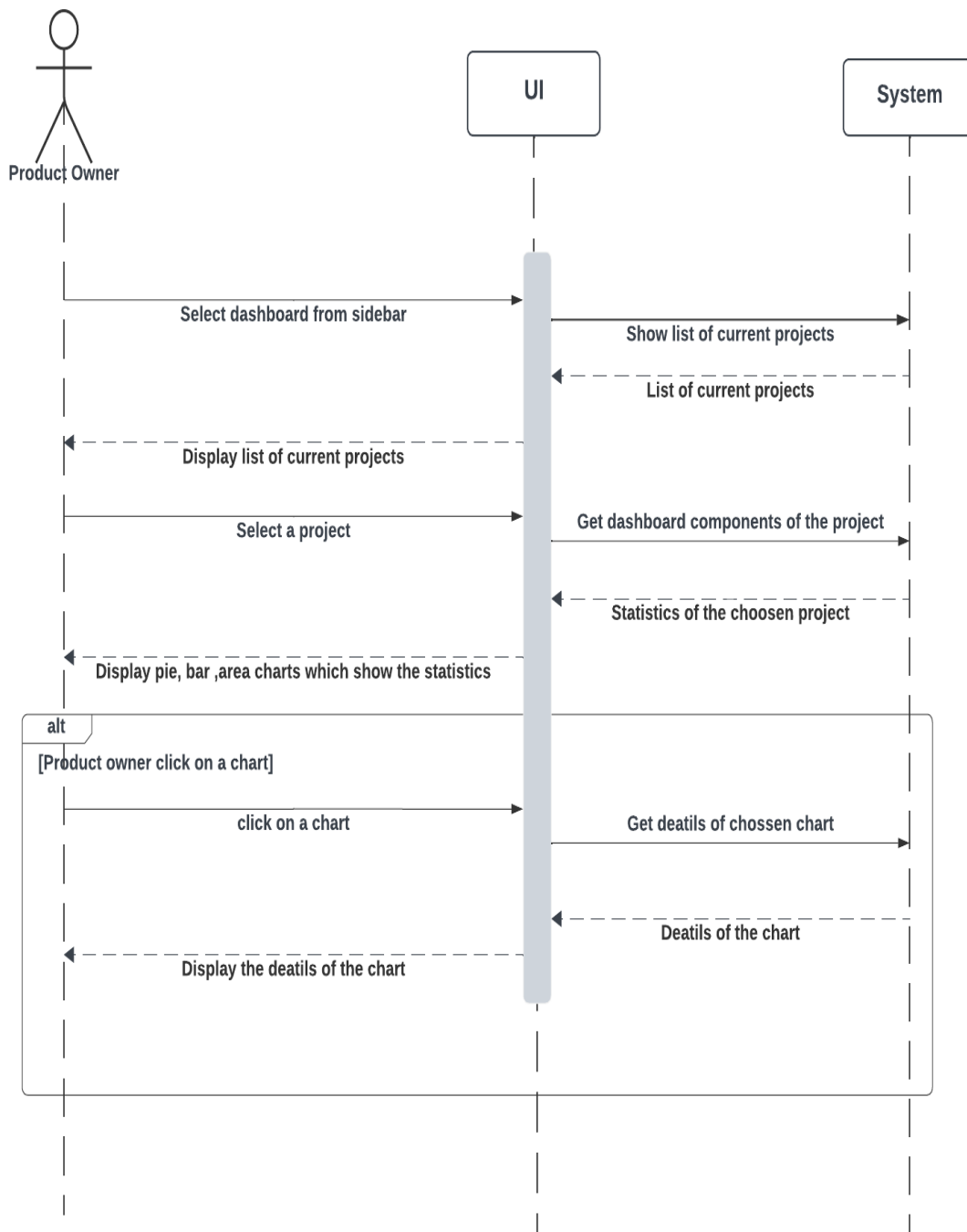


Figure 5 sequence diagram - view dashboard

- Create project (UC-12):

Use case specification:

Table 3 use case specification - create project

Use case title:	Create project
Participating users:	initiated by product owner
The flow of events:	<ol style="list-style-type: none">1. The product owner ask to add new project.2. The system display the projects creation form.3. The product owner complete the form.4. The system will make a few validations.5. If all the validations are checked, the system will add the project to the project list and allow the product owner to start manage the project reviews and requirements.
Entry condition:	The product owner has account.
Exit conditions:	New project created and stored for this product owner.

Sequence diagram:

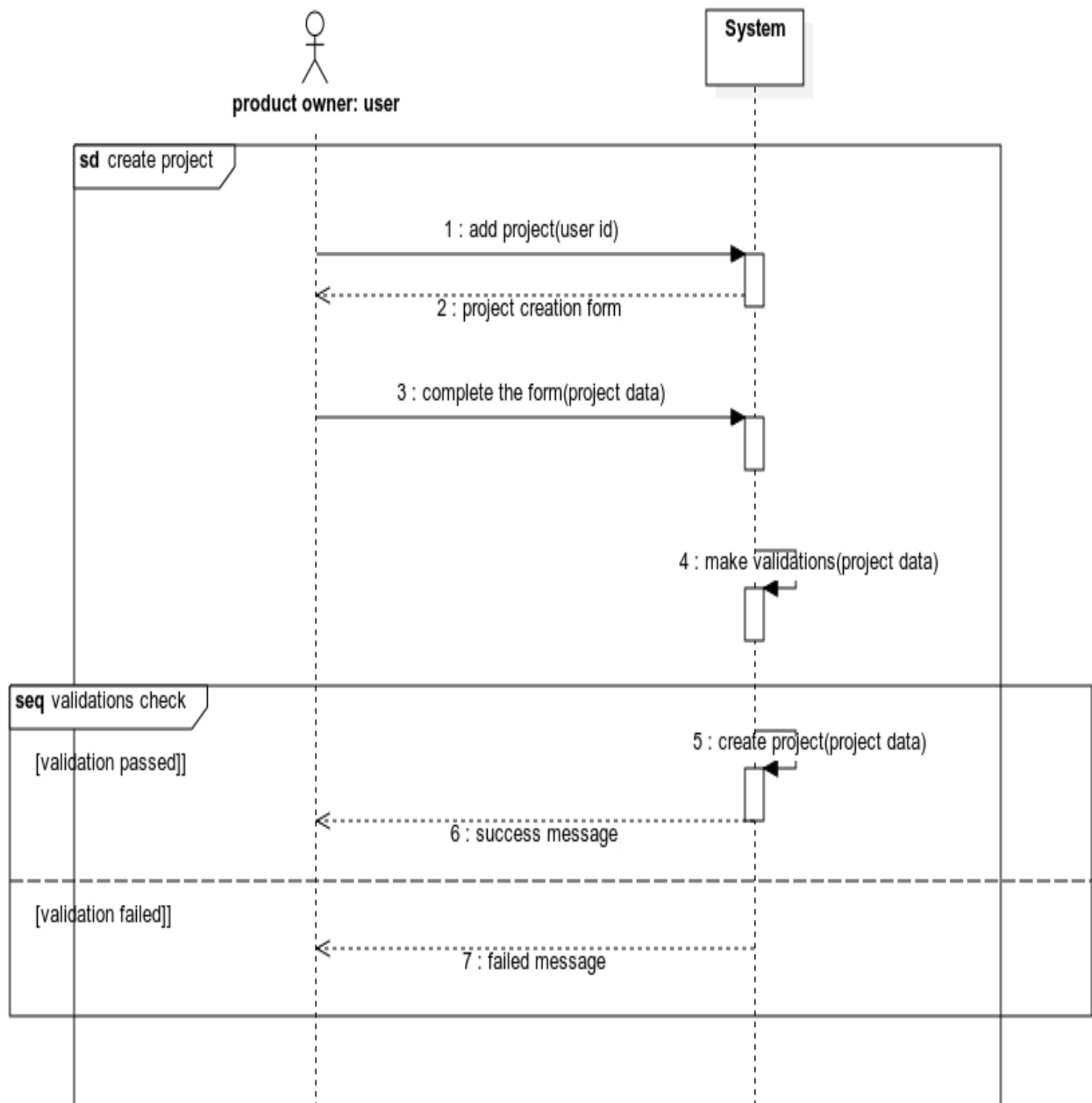


Figure 6 sequence diagram - create table

- Manage domains (UC-13):

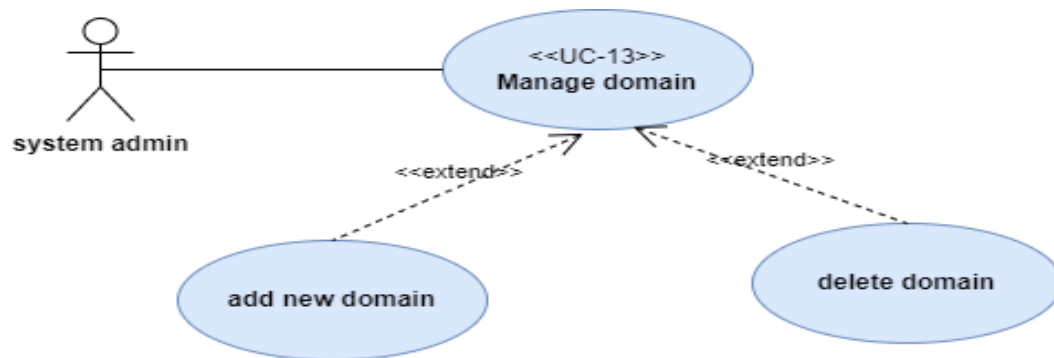


Figure 7 detailed use case - domain management

Use case specification:

Table 4 use case specification - manage domains

Use case title:	Manage domains
Participating users:	initiated by system admin
The flow of events:	<ol style="list-style-type: none"> 1. the System admin choose the domains management interface. 2. The system will display the existing domins. 3. If the system admin choose to add new domin. 4. The system will display the domain creation interface. 5. The system admin will complete the form and add the domain, 6. The system will save the new domin. 7. If the system ask to delete an existing domin. 8. The system will check if the domin has any projects in it. 9. If the domain has no projects the system will delete it successfully.
Entry condition:	The system admin logged in
Exit conditions:	Add new domain or deleting an existing one

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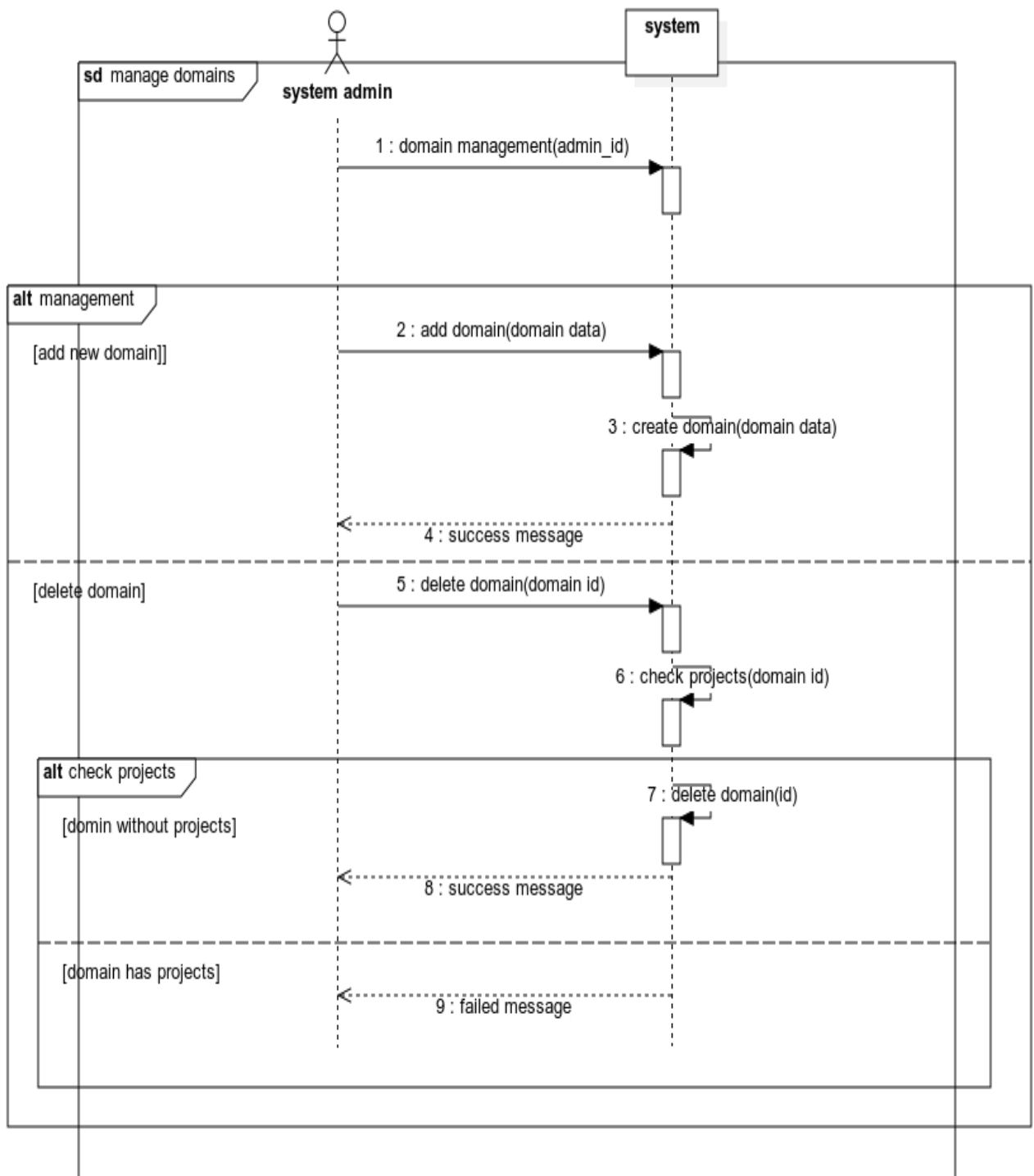


Figure 8 sequence diagram - manage domains