

# Service Layer

## Project Endpoints

Service Name	Get all projects
Service Description	This service doesn't accept any parameters and always return a list of projects available in the system
Personas that have access	Manager, Tester, Developer
Endpoint	/api/?action=projects&subaction=getall
HTTP Verb	GET
Example Request	/api/?action=projects&subaction=getall
Example Successful Response	{"success":true,"message":"","items":[{"id":1,"name":"Attorney Project","description":"Accident Attorney website 2019"}, {"id":2,"name":"Ecom Mobile Project","description":"Ecom mobile friendly website 2018","progress":50}]}
Example Failed Response	{"success":false,"message":"There is no project in the database.", "items":[]}

Service Name	Get a project by ID
Service Description	This service accepts a project ID as the input parameter and returns the project as an array.
Personas that have access	Manager, Tester, Developer
Endpoint	/api/?action=projects&subaction=getbyid
HTTP Verb	GET
Example Request	/api/?action=projects&subaction=getbyid&id=2
Example Successful Response	{"success":true,"message":"","item":{"id":2,"name":"Ecom Mobile Project","description":"Ecom mobile friendly website 2018","progress":100}}
Example Failed Response	{"success":false,"message":"Please provide a valid ID. No project exist with the provided ID.", "item":[]}

Service Name	Add a project
Service Description	This service accepts project's name and description as input parameters and create a new project.
Personas that have access	Manager
Endpoint	/api/
HTTP Verb	POST
Example Request	/api/ Action: projects Subaction: add

	name : My new project description: This project need to be done by May2019.
Example Successful Response	{"success":true,"message":"The new project has been successfully added."}
Example Failed Response	{"success":false,"message":["Name field is required. ","Description length should be longer than 50."]}

Service Name	Edit a project
Service Description	This service accepts project's id, name and description as input parameters and update the project information.
Personas that have access	Manager
Endpoint	/api/
HTTP Verb	POST
Example Request	/api/ Action: projects Subaction: edit Id: 3 name : My PHP project description: This project need to be done by May2019.
Example Successful Response	{"success":true,"message":"The project has been successfully updated."}
Example Failed Response	{"success":false,"message":["Name field is required. ","Description length should be longer than 50."]}

Service Name	Delete a project
Service Description	This service accepts project's id as input parameter and delete the project.
Personas that have access	Manager
Endpoint	/api/
HTTP Verb	POST
Example Request	/api/ Action: projects Subaction: delete Id : 3
Example Successful Response	{"success":true,"message":"The project has been successfully deleted."}
Example Failed Response	{"success":false,"message":"There is no project with the provided ID"}

## User Endpoints

Service Name	Get all users
Service Description	This service doesn't accept any parameters and always return a list of users available in the system
Personas that have access	Manager
Endpoint	/api/?action=users&subaction=getall
HTTP Verb	GET
Example Request	/api/?action=users&subaction=getall
Example Successful Response	{ "success":true,"message":"","item":[{"id":1,"name":"John Jackson","username":"jjohn","password":"123StrongPass","email":"jjohn@gmail.com","privilege":"Manager"}, {"id":2,"name":"Sara Sims","username":"sarasims","password":"pass9988","email":"sims@gmail.com","privilege":"Tester"}, {"id":3,"name":"Susan Brown","username":"brown","password":"sb55433\$","email":"sbrown@yahoo.com","privilege":"Developer"}]}
Example Failed Response	{ "success":false,"message":"There is no user in the database.","item":[]}

Service Name	Gets a user by ID
Personas that have access	Manager, Tester, Developer
Service Description	This service accepts a user ID as the input parameter and returns the user as an array.
Endpoint	/api/?action=users&subaction=getbyid
HTTP Verb	GET
Example Request	/api/?action=users&subaction=getbyid&id=2
Example Successful Response	{ "success":true,"message":"","item":[{"id":2,"name":"Sara Sims","username":"sarasims","password":"pass9988","email":"sims@gmail.com","privilege":"Tester"}]}
Example Failed Response	{ "success":false,"message":"Please provide a valid ID. No user exist with the provided ID.","item":[]}

Service Name	Add a user
Service Description	This service accepts user's information as input parameters and creates a new user.
Personas that have access	Manager
Endpoint	/api/
HTTP Verb	POST
Example Request	/api/ Action: users Subaction: add name : Sara

	username: sarasims password: pass9988 email: sims@gmail.com privilege: Tester
Example Successful Response	{"success":true,"message":"The new user has been successfully added."}
Example Failed Response	{"success":false,"message":["Name field is required. ","Email address is not valid."]}

Service Name	Edit a user
Service Description	This service accepts users's id, and other information related to the user as input parameters and updates the user information.
Personas that have access	Manager
Endpoint	/api/
HTTP Verb	POST
Example Request	/api/ Action: users Subaction: edit Id: 3 name : Sara username: sarasims password: SaraNewPassword email: sims@gmail.com privilege: Tester
Example Successful Response	{"success":true,"message":"The user has been successfully updated."}
Example Failed Response	{"success":false,"message":["Name field is required. ","The password length need to be longer than 8"]}

Service Name	Delete a user
Service Description	This service accepts user's id as input parameter and deletes the user.
Personas that have access	Manager
Endpoint	/api/
HTTP Verb	POST
Example Request	/api/ Action: users Subaction: delete Id : 3
Example Successful Response	{"success":true,"message":"The user has been successfully deleted."}
Example Failed Response	{"success":false,"message":"There is no user with the provided ID"}

## Testcase Endpoints

Service Name	Get all Testcases
Service Description	This service doesn't accept any parameters and always returns a list of testcases available in the system.
Personas that have access	Manager, Tester, Developer
Endpoint	/api/?action=testcase&subaction=getall
HTTP Verb	GET
Example Request	/api/?action= testcase&subaction=getall
Example Successful Response	<pre>{"success":true,"message":"","items":[{"id":2,"name":"Mobile Navigation","action":"Click on the mobile navigation trigger button","expected_result":"Mobile navigation should expand","actual_result":"Mobile navigation doesn't expand on Safari","status":"Failed","current_user_id":2,"project_id":5},{id":2,"name":"Search functionality","action":"Search for a keyword","expected_result":"It should take you to the search result page and list related results","actual_result":"Result has html markup in it.","status":"Failed","current_user_id":2,"project_id":5}]}</pre>
Example Failed Response	<pre>{"success":true,"message":"There is no test case in the database","items":[]}</pre>

Service Name	Get all testcases by project ID
Service Description	This service accepts a project ID as an input parameter and returns a list of testcases related to that project.
Personas that have access	Manager, Tester, Developer
Endpoint	/api/?action=testcase&subaction=getbyprojectid
HTTP Verb	GET
Example Request	/api/?action= testcase&subaction= getByprojectid&id=5
Example Successful Response	<pre>{"success":true,"message":"","items":[{"id":2,"name":"Mobile Navigation","action":"Click on the mobile navigation trigger button","expected_result":"Mobile navigation should expand","actual_result":"Mobile navigation doesn't expand on Safari","status":"Failed","current_user_id":2,"project_id":5},{id":2,"name":"Search functionality","action":"Search for a keyword","expected_result":"It should take you to the search result page and list related results","actual_result":"Result has html markup in it.","status":"Failed","current_user_id":2,"project_id":5}]}</pre>
Example Failed Response	<pre>{"success":true,"message":"There is no test case in the database associated to this project","items":[]}</pre>

Service Name	Get a testcase by ID
Service Description	This service accepts a testcase ID as the input parameter and returns the testcase as an array.
Personas that have access	Manager, Tester, Developer
Endpoint	/api/?action=testcase&subaction=getbyid
HTTP Verb	GET
Example Request	/api/?action=testcase&subaction= getbyid&id=2
Example Successful Response	{"success":true,"message":"","item":{"id":2,"name":"Mobile Navigation","action":"Click on the mobile navigation trigger button","expected_result":"Mobile navigation should expand","actual_result":"Mobile navigation doesn't expand on Safari","status":"Failed","current_user_id":"2","project_id":"5"}}
Example Failed Response	{"success":false,"message":"Please provide a valid ID. No testcase exist with the provided ID.","item":[]}

Service Name	Add a testcase
Service Description	This service accepts testcase information as input parameters and creates a new testcase.
Personas that have access	Manager, Tester, Developer
Endpoint	/api/
HTTP Verb	POST
Example Request	/api/ Action: testcase Subaction: add name : Mobile Navigation action: Click on the mobile navigation trigger button expected_result: Mobile navigation should expand actual_result: Mobile navigation doesn't expand on Safari status: Failed current_user_id: 2 project_id: 5
Example Successful Response	{"success":true,"message":"The new testcase has been successfully added."}
Example Failed Response	{"success":false,"message":["Action field is required.,"Actual_result field is required."]}

Service Name	Edit a testcase
Service Description	This service accepts testcase id, and other information related to the testcase as input parameters and update the testcase information.
Personas that have access	Manager, Tester, Developer
Endpoint	/api/
HTTP Verb	POST

Example Request	/api/ Action: testcase Subaction: edit Id: 3 name : Mobile Navigation Trigger Button action: Click on the mobile navigation trigger button expected_result: Mobile navigation should expand actual_result: Mobile navigation doesn't expand on Safari status: Failed current_user_id: 2 project_id: 5
Example Successful Response	{"success":true,"message":"The testcase has been successfully updated."}
Example Failed Response	{"success":false,"message":["Name field is required.", " expected_result field is required"]}

Service Name	Delete a testcase
Service Description	This service accepts testcase id as input parameter and delete the testcase.
Personas that have access	Manager, Tester
Endpoint	/api/
HTTP Verb	POST
Example Request	/api/ Action: testcase Subaction: delete Id : 3
Example Successful Response	{"success":true,"message":"The testcase has been successfully deleted."}
Example Failed Response	{"success":false,"message":"There is no testcase with the provided ID"}

## Comment Endpoints

Service Name	Get all comments by testcase ID
Service Description	This service accepts a testcase ID as an input parameter and returns all the comments associate to the testcase.
Personas that have access	Manager, Tester, Developer
Endpoint	/api/?action=comments&subaction=getallbytestcaseid&id=2
HTTP Verb	GET
Example Request	/api/?action=comments&subaction= getallbytestcaseid&id=2
Example Successful Response	{"success":true,"message":"","item":[{"id":2,"testcaseid":"2",

	"user_id":"5","comment":"Mobile navigation doesn't expand on Safari","date":"03-18-2019"},{"id":3,"testcaseid":"2","user_id":"12","comment":"I fixed the issue. Please test and review.","date":"03-19-2019"},{"id":4,"testcaseid":"2","user_id":"7","comment":"Issue has not be resolved. I can still reproduce the issue on Safar version 4.","date":"03-20-2019"}]}
Example Failed Response	{"success":false,"message":"There is no comments associated with provided testcase ID.","items":[]}

Service Name	Get a comment by ID
Service Description	This service accepts a comment ID as the input parameter and returns the comment as an array.
Personas that have access	Manager, Tester, Developer
Endpoint	/api/?action=comments&subaction=getbyid
HTTP Verb	GET
Example Request	/api/?action= comments &subaction= getbyid&id=2
Example Successful Response	{"success":true,"message":"","item":{"id":2,"testcaseid":"2","user_id":"5","comment":"Mobile navigation doesn't expand on Safari","date":"03-18-2019"}}
Example Failed Response	{"success":false,"message":"Please provide a valid ID. No comment exist with the provided ID.","item":[]}

Service Name	Add a comment
Service Description	This service accepts comment information as input parameters and create a new comment.
Personas that have access	Manager, Tester, Developer
Endpoint	/api/
HTTP Verb	POST
Example Request	/api/ Action: comments Subaction: add testcaseid: 2 user_id: 5 comment: Mobile navigation doesn't expand on Safari date: 03-18-2019
Example Successful Response	{"success":true,"message":"The new comment has been successfully added."}
Example Failed Response	{"success":false,"message":["user_id is required.", "Comment length should be longer than 10."]}

Service Name	Edit a comment
--------------	----------------



Service Description	This service accepts comment's id, and other information as input parameters and update the comment information.
Personas that have access	Manager, Tester, Developer
Endpoint	/api/
HTTP Verb	POST
Example Request	/api/ Action: comments Subaction: edit Id: 3 testcaseid: 2 user_id: 5 comment: Mobile navigation doesn't expand on Safari version 4 date: 03-18-2019
Example Successful Response	{"success":true,"message":"The comment has been successfully updated."}
Example Failed Response	{"success":false,"message":["testcase_id is required. ","Comment length should be longer than 10."]}

Service Name	Delete a comment
Service Description	This service accepts comments id as input parameter and delete the comment.
Personas that have access	Manager, Tester, Developer
Endpoint	/api/
HTTP Verb	POST
Example Request	/api/ Action: comments Subaction: delete Id : 3
Example Successful Response	{"success":true,"message":"The comment has been successfully deleted."}
Example Failed Response	{"success":false,"message":"There is no comment with the provided ID"}

## Page-Endpoint Association Diagram

### Project Management

- List Projects Page
  - uses **Get all projects** endpoint
- Add Project Page
  - uses **Add a project** endpoint
- Edit Project Page
  - uses **Get a project by ID** endpoint
  - uses **Edit a project** endpoint
- Delete Project Page
  - uses **Get a project by ID** endpoint
  - uses **Delete a project** endpoint

### User Management

- List Users Page
  - uses **Get all users** endpoint
- Add User Page
  - uses **Add a user** endpoint
- Edit User Page
  - uses **Get a user by ID** endpoint
  - uses **Edit a user** endpoint
- Delete User Page
  - uses **Get a user by ID** endpoint
  - uses **Delete a user** endpoint

## Testcase Management

- List Projects Page
  - uses **Get all projects** endpoint
- List Testcase Page
  - uses **Get all testcases by project ID**
- Add Testcase Page
  - uses **Add a testcase** endpoint
  - uses **Add a comment** endpoint
- Edit Testcase Page
  - uses **Get a testcase by ID** endpoint
  - uses **Edit a testcase** endpoint
  - uses **Get all comments by testcase ID** endpoint
  - uses **add a comment** endpoint
  - uses **Get a comment by ID** endpoint
  - uses **edit a comment** endpoint
  - uses **delete a comment** endpoint
- Delete Testcase Page
  - uses **Get a testcase by ID** endpoint
  - uses **Delete a testcase** endpoint