

- Alternate flow: Replace an existing todo with a new payload containing no description field.
- Error flow: Attempt to replace an existing todo with a payload with no title field to an existing todo ID.

Story Testing for projects

1. As a user, I want to create a new project, so I can track its status and description. (API end point -> POST /projects)
 - **Normal Flow:** User provides a title, description and active status to create a new project.
 - **Alternate Flow:** User provides only the title and description to create a new project.
 - **Error Flow:** User attempts to create a project with invalid key name or empty payload.
2. As a user, I want to update the fields of existing projects, so I can keep track of updates done in projects - Test POST /projects/:id
 - **Normal Flow:** User provides a valid id, description, active status and title in the payload which updates the existing project.
 - **Alternate Flow:** User provides a valid id and completed status payload which updates the existing project.
 - **Error Flow:** User provides an invalid id (of a project that does not exist).
 - **Error Flow:** User provides an malformed id (non-numeric string)
3. As a user, I want to view all projects that exist - test GET /projects
 - **Normal Flow:** User sends a request and receives a response of all of the projects that currently exist.
 - **Alternate Flow:** User sends a request and receives an empty response since there are no projects that exist.
 - **Error Flow:** User attempts to get a list of projects, while it is being updated by another client (testing concurrency).
4. As a user, I want to delete an existing project - test DELETE /projects/:id
 - **Normal Flow:** User sends a valid formatted request with a valid id for an existing project. The system successfully deletes the project and returns a valid response.
 - **Alternate Flow:** User sends a valid formatted request with a valid id for an existing project. The user sends a HEAD request to verify that the project was deleted.
 - **Error Flow:** User sends an invalid project id (i.e. an id that does not exist).
 - **Error Flow:** User sends an invalid project id (i.e. a string that is malformed).
5. As a user, I want to view the details of only one project - test GET /projects/:id
 - **Normal Flow:** User sends a valid request, with a valid id, then receives a successful response from the system.
 - **Alternate Flow:** User sends a valid request, with an invalid id of a project that does not exist. The system returns an empty response.