**Asana: Listing project in a workplace**

***Current behavior of Asana***

In Asana UI new projects are listed at the bottom of the project list.

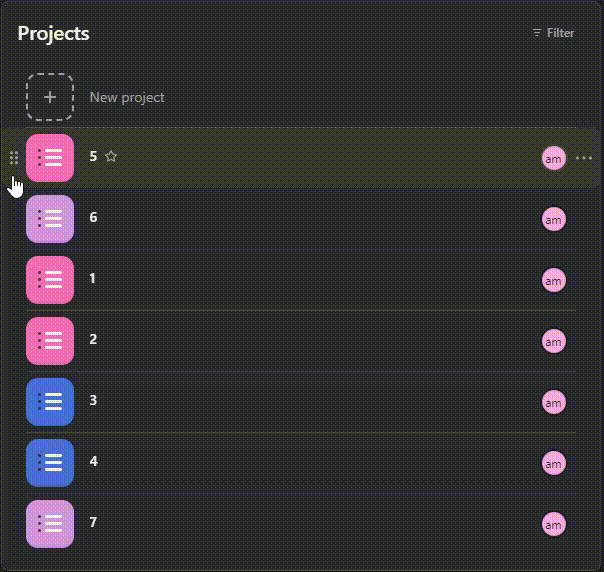
1. We retrieve at most 500 projects.

2. If the number of projects listed is more than 100, we select the last 100 projects. Because newer projects are listed towards the end of the list.

3. Sort the selected 100 projects in alphabetical order.

We show this list of 100 projects in the card dropdown.

**Issues with this approach -**

Generally newer projects are listed last. But we can drag the projects in Asana UI and change the ordering.  


**Issue 1:** If we reorder by dragging, API response or connector response has the same ordering as Asana UI. There is no way to sort based on any property in Asana UI, Asana API, or connector. In such a situation, if we have more than 100 projects in the workspace, we will get the last 100 projects as per ordered in Asana UI.

**Issue 2:** If we have more than 500 projects, we are showing projects from 401st to 500th position. Projects lies above 500th positions are not listed.

***Enhancement requirements***

**Requirement 1.** **List project based on recently updated order:**

**Approach 1:**  
-We will retrieve 500 projects using Get Projects action.  
-We can sort these projects based on recently updated by comparing “modified\_at” key.  
-We will display first 100/200 projects in the dropdown.  
-We will store rest of the projects list with us to display in the next card.  
-Clicking “Next” button will render a new card with next 100/200 projects in dropdown.  
-Next button will be available till there are any projects left from these 500.

**Sorting, pagination, and storing the project list will be implemented within workflows**.

*Issues***:** There might be a delay in card response.

**Approach 2:**  
-We will retrieve 100/200 projects using Get Projects action.  
-We can sort these projects based on recently updated by comparing “modified\_at” key.  
-Display the list in the dropdown, With “Next” button.  
-Clicking “Next” button will retrieve next 100/200 projects, sort these based on modified\_at, then render a new card with these projects as dropdown.  
-The process can be continued till there are no more projects to list.  
-Batches are retrieved in the same order as in Asana UI.

*Issues***:** Sorting is possible within each batch of 100/200.

**Requirement 2. Search project by name:**

-We can search project by name using [Get objects via typeahead](https://developers.asana.com/reference/typeaheadforworkspace) API.  
-We will divide the search result into batch of 10 and store within workflow.  
-Display first 10 project in a card, with a “Next” button to get a card with next 10 results.  
-The process will continue till the end of the search result.

**Pagination and storing the project list will be implemented within workflows**.

*Issues***:**1. Doesn’t support pagination.  
2. Search result is not reliable and not accurate.  
3. There might be a delay in card response.

**Requirement 3. List 200 projects in dropdown:**

It seems possible. Will need to verify after implementing other requirements.