

In Iteration II of our project, YALA, we have completed the Elaboration stage and are currently in the Construction stage. Each of us created Design Class Diagrams and Sequence/Communication Diagrams for our corresponding use cases. We have created a User Interface Demo to show to our class and professor here today.

Jake implemented the user interface and storage mechanisms for creating accounts, logging in, storing user's lists and items, displaying the lists, and adding/deleting/copying lists.

Evan implemented methods to keep track of store stock, as well as mechanisms to search stores and search for items to add to your list.

Sam implemented an item display that allows you to add an item, delete an item, cross off / uncross an item.

We are almost through the construction phase of our project and are more than halfway through creating our finalized product. Jake has worked 30 hours, Evan has worked 16 hours, and Sam has worked 13 hours.

Priorities going forward:

- Encrypting necessary data and developing a database and database methods to increase the efficiency and safety of our storage
- Improving the design and formatting of the user interface for a more attractive and friendly appearance for the user
- Employing methods for stores and inventories to be easily added so that users can have more stores to search and more items to find
- Finishing our integration and test planning
- Creating documentation for the user
- Moving into our Transition phase and preparing for our Iteration III Presentation and deployment

Our project hosting can be found at <https://github.com/jake-allen/YALA> and our issue tracking and timecard tracking can be found at <https://trello.com/b/8JTgqSMS/yala>.

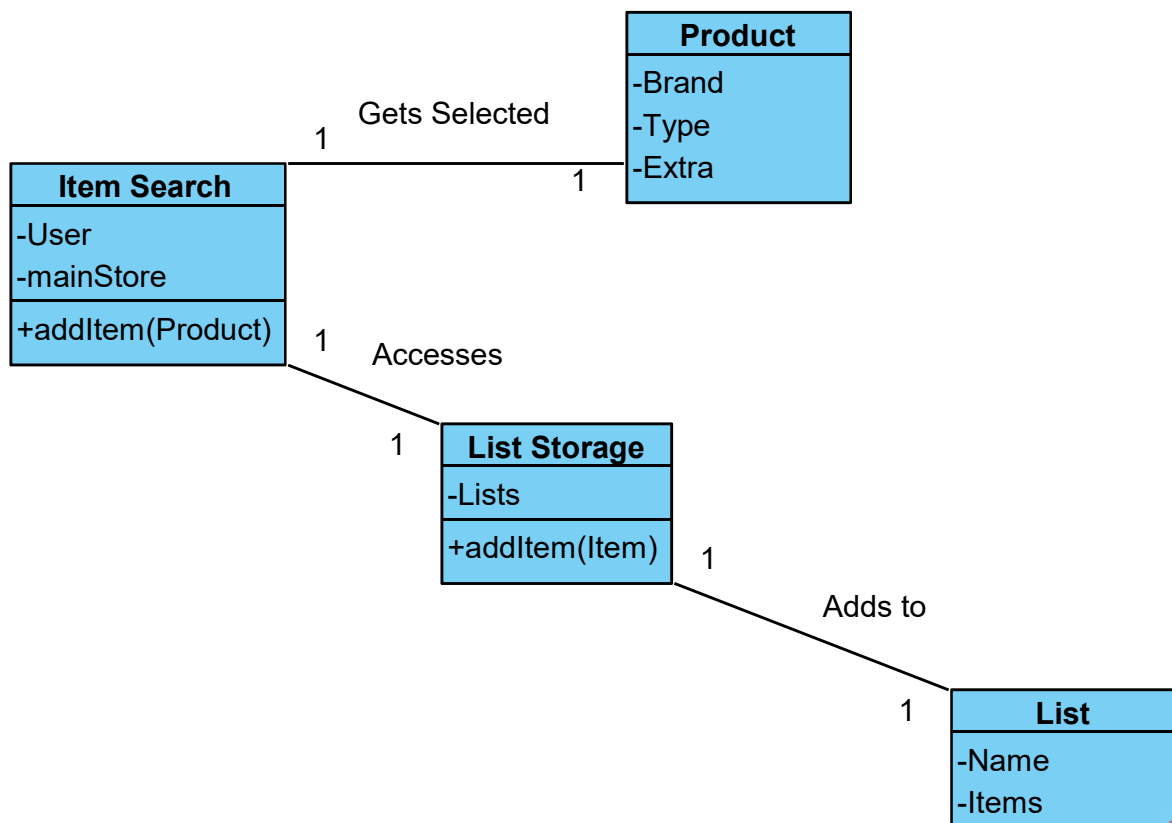
We have no suggested point redistribution as we think points have been fairly distributed so far.

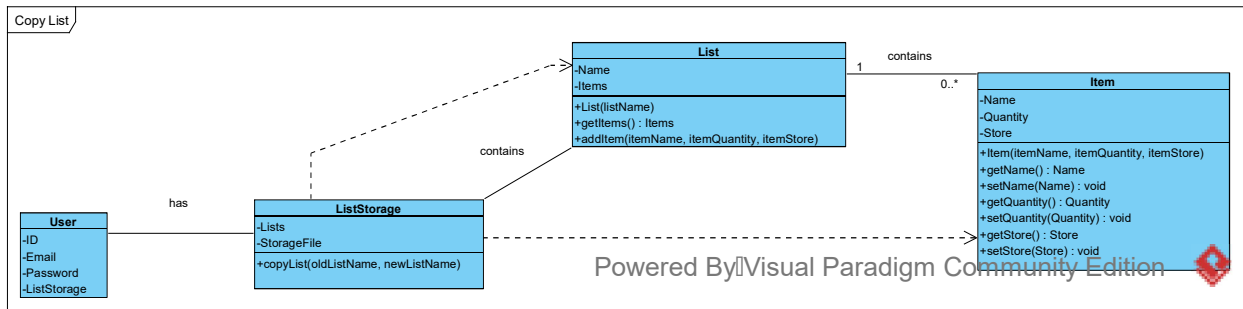
Below you will find the diagrams that justify our GRASP system operations, our updated GANTT project plan, and our test coverage plan.

Test Coverage Plan:

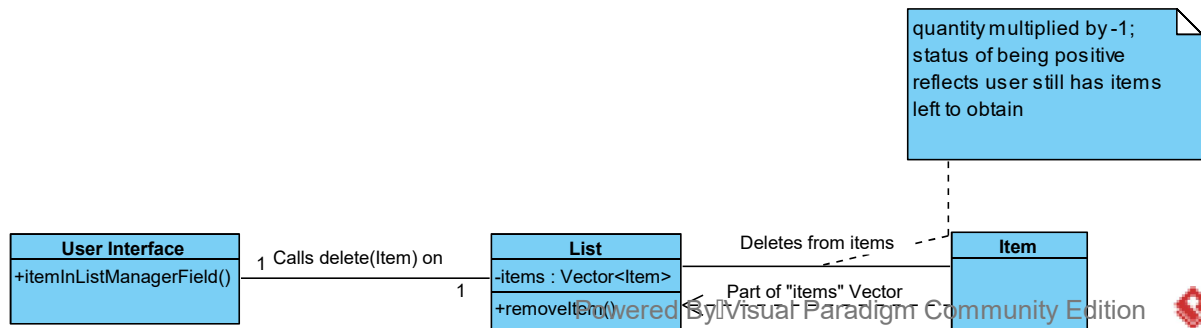
We need to test searching and adding items, manipulating items within a list, and manipulating lists the user has. We also need to test saving list data for multiple users even when the program is closed. Because list data is saved in text files, we can use Junit to test if they have been updated correctly without causing the program to crash. We will also need to manually test how the system responds to user input, such as testing valid text inputs in methods like searching and creating accounts.

Add Item DCD

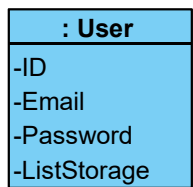




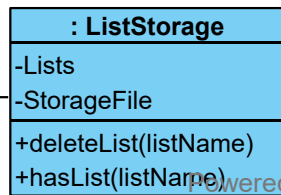
Cross Item DCD



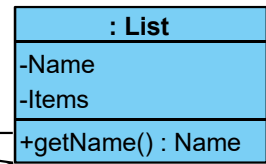
Delete List



has

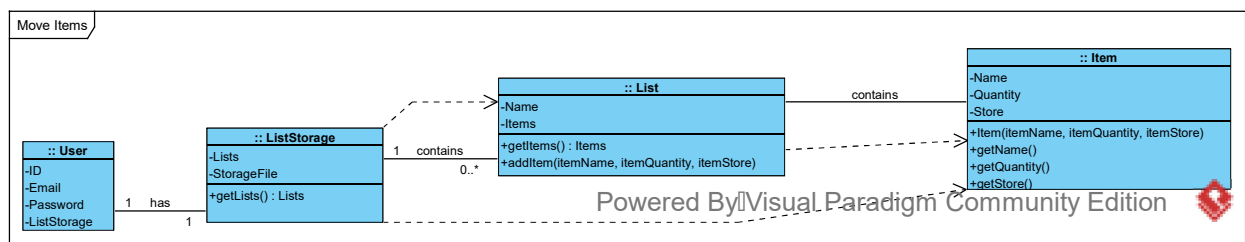


contains

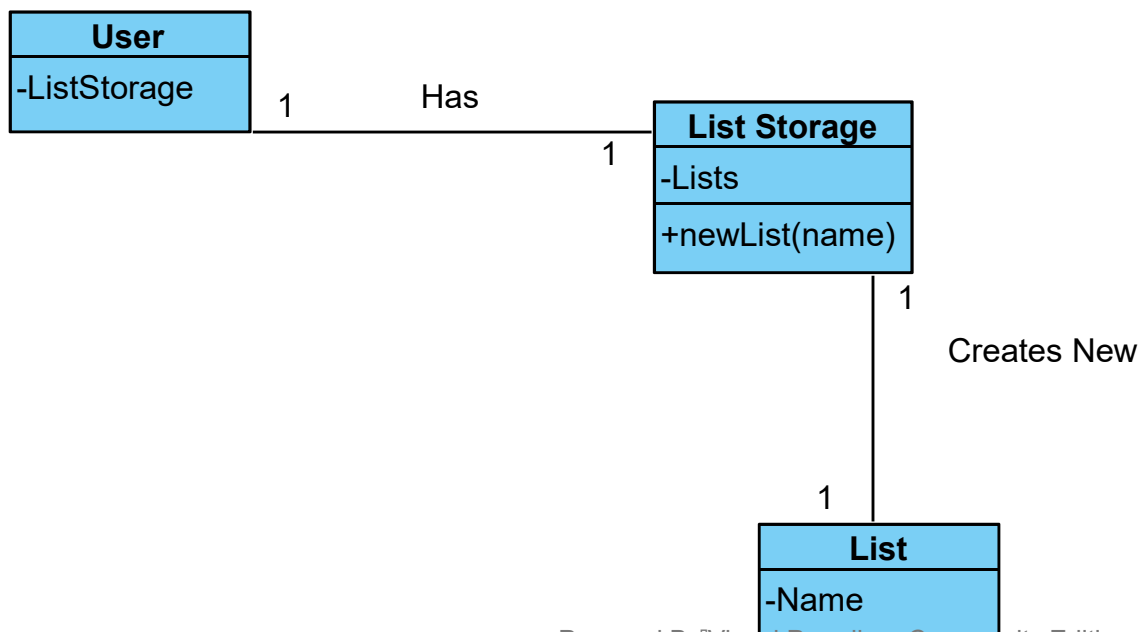


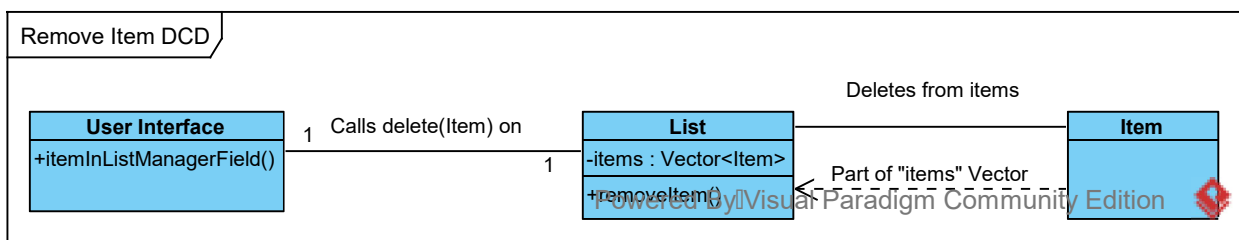
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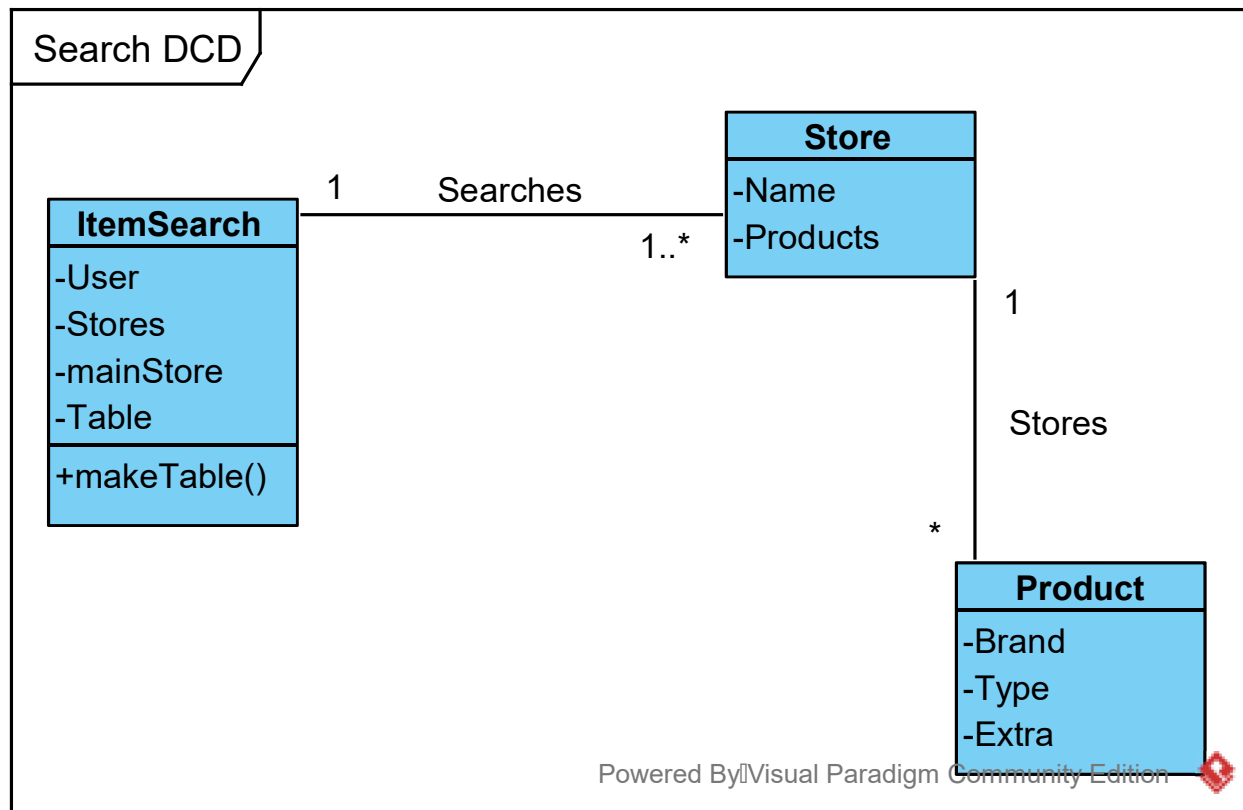




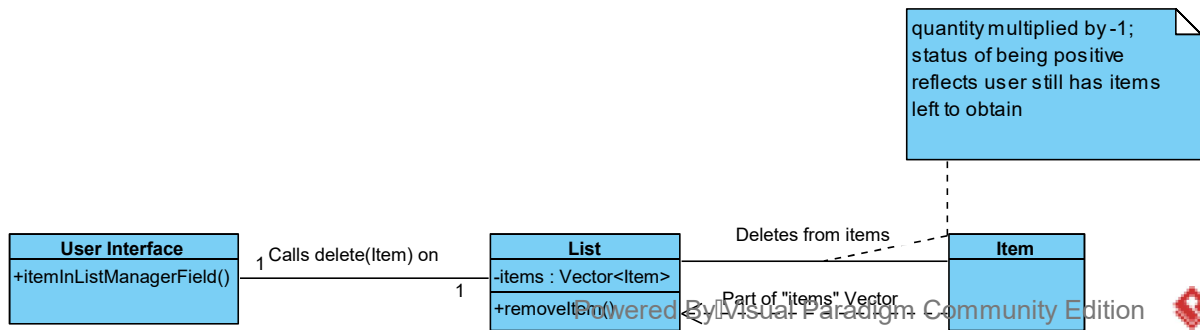
New List DCD



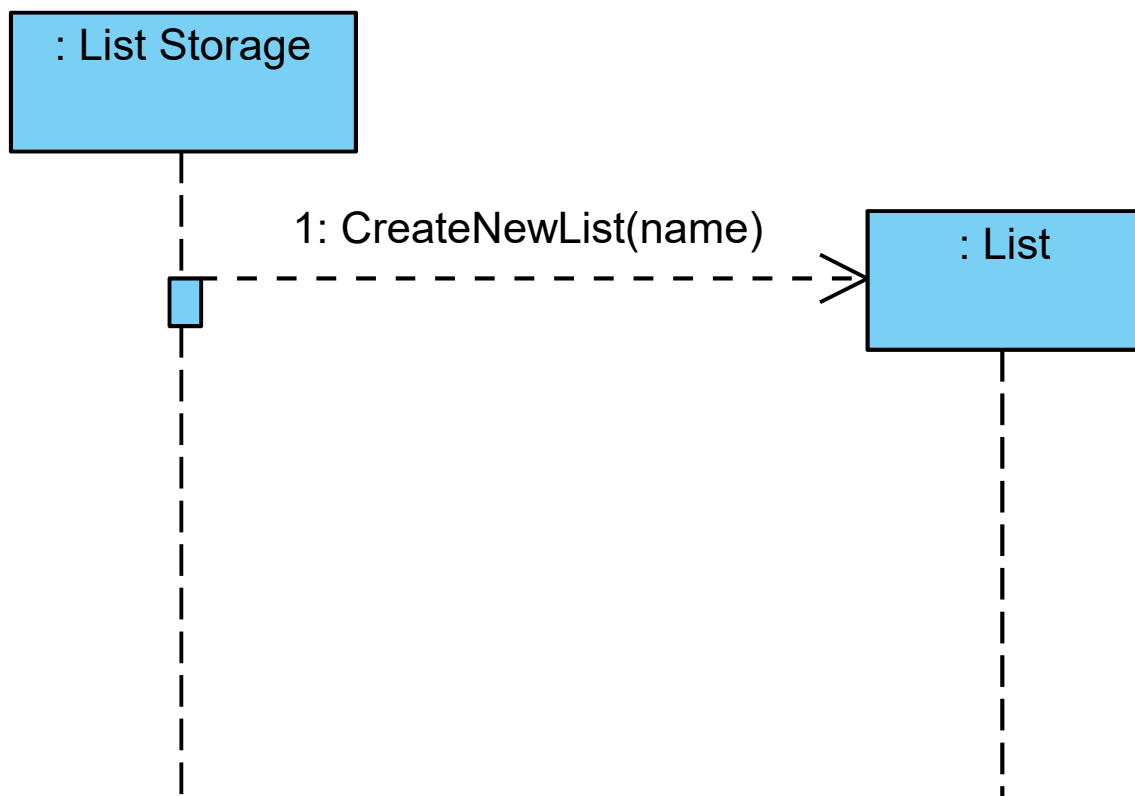


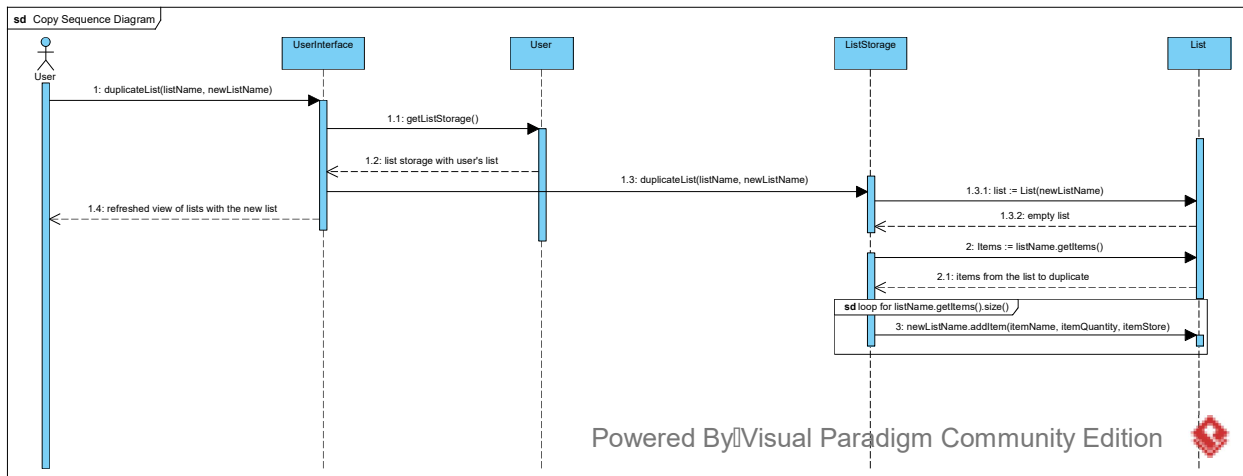


Uncross Item DCD

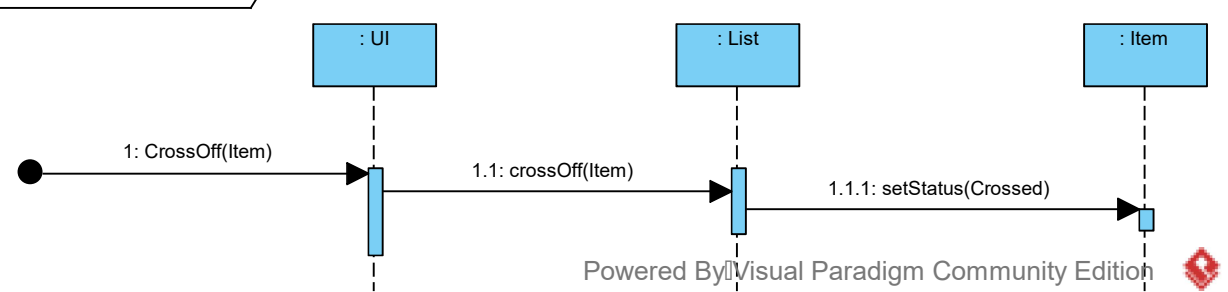


sd Add List Sequence Diagram

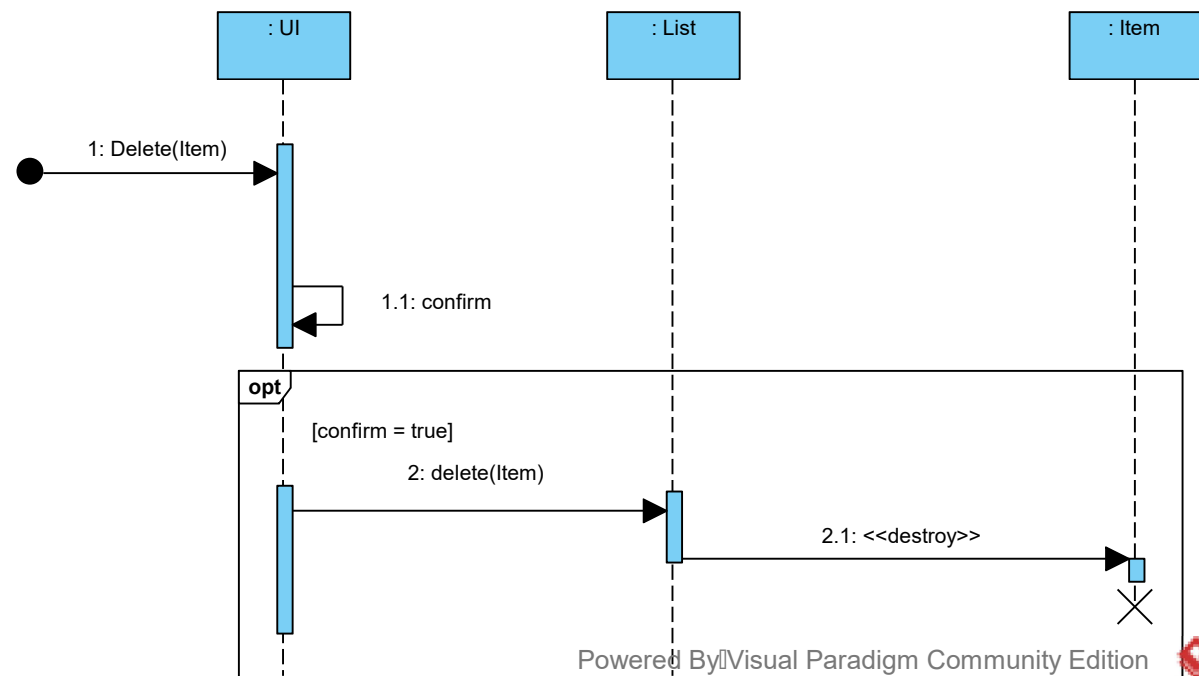


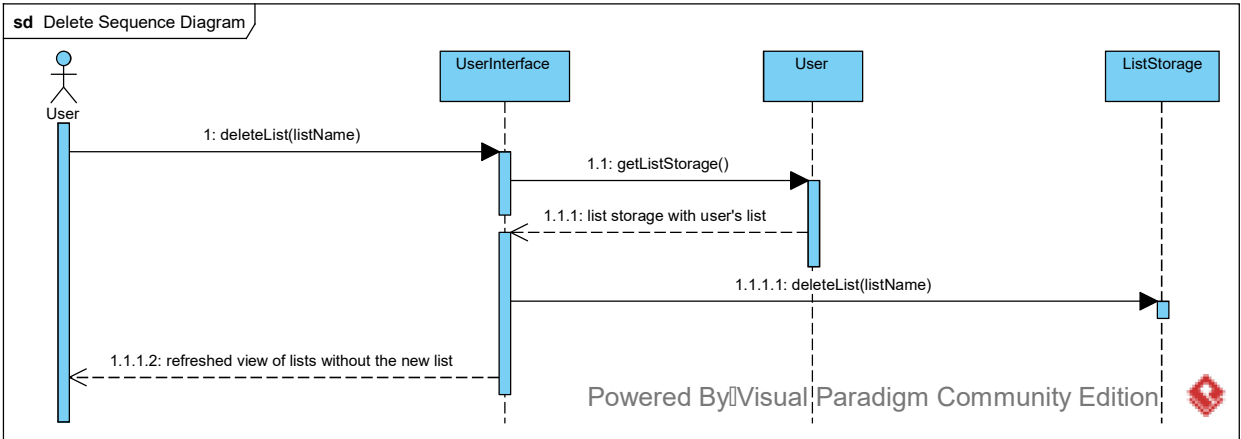


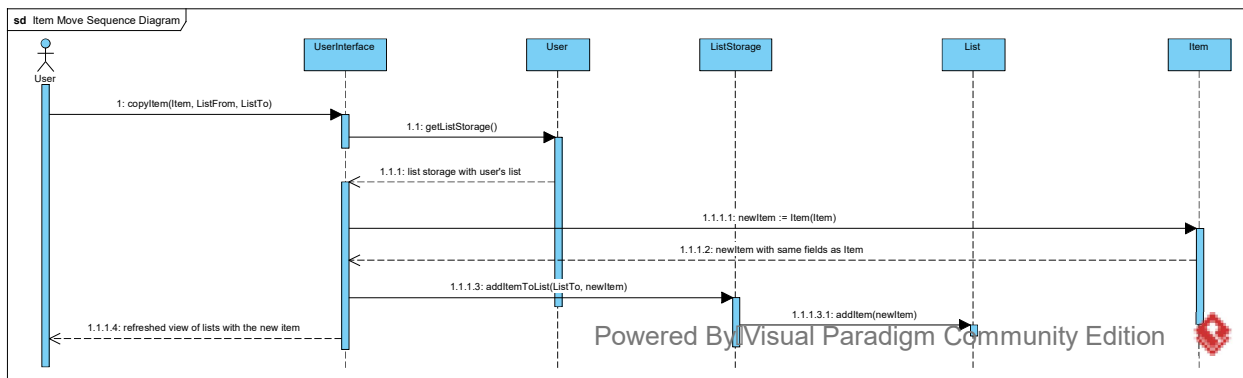
sd Cross Item Sequence



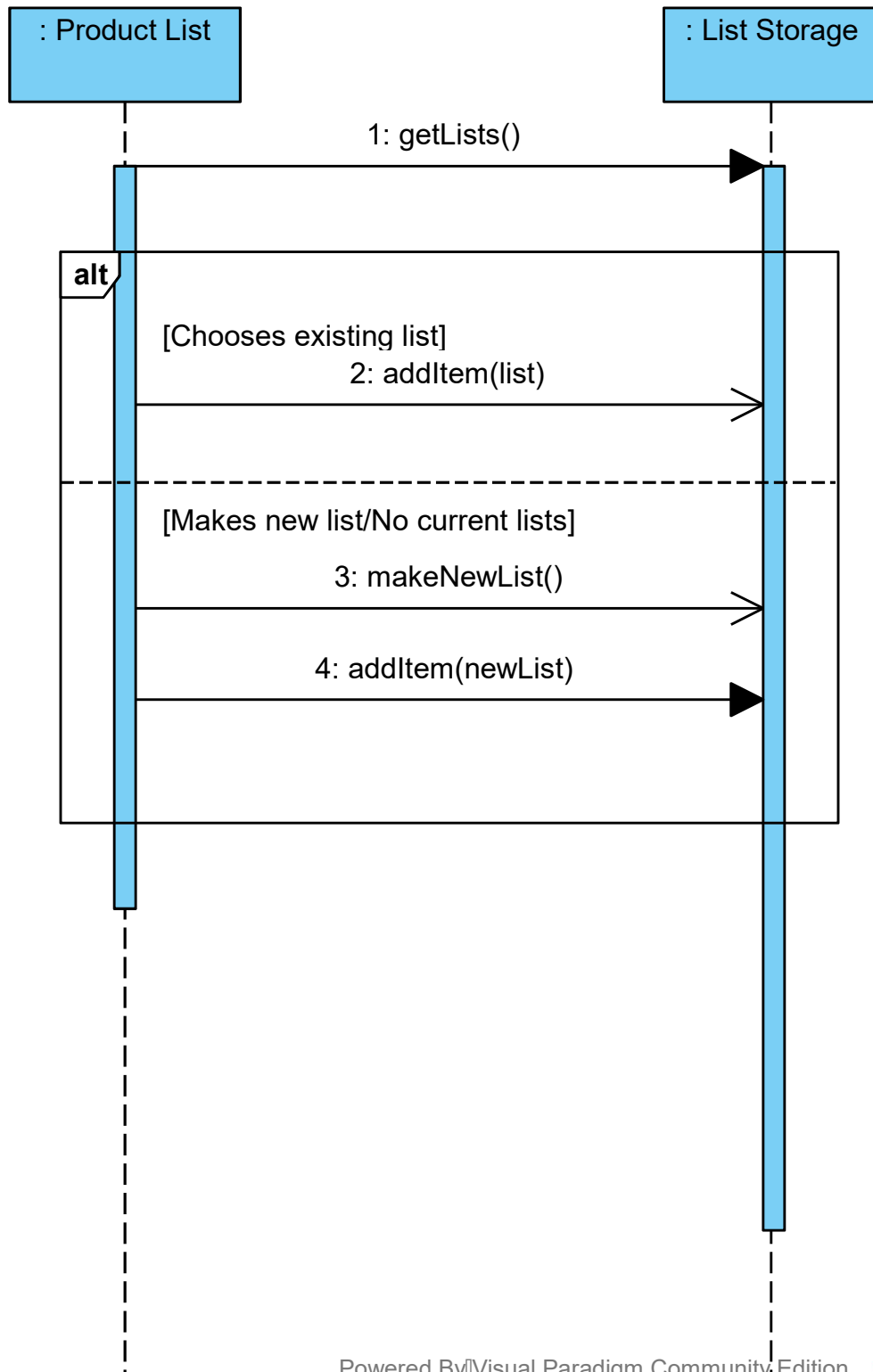
sd Delete Sequence



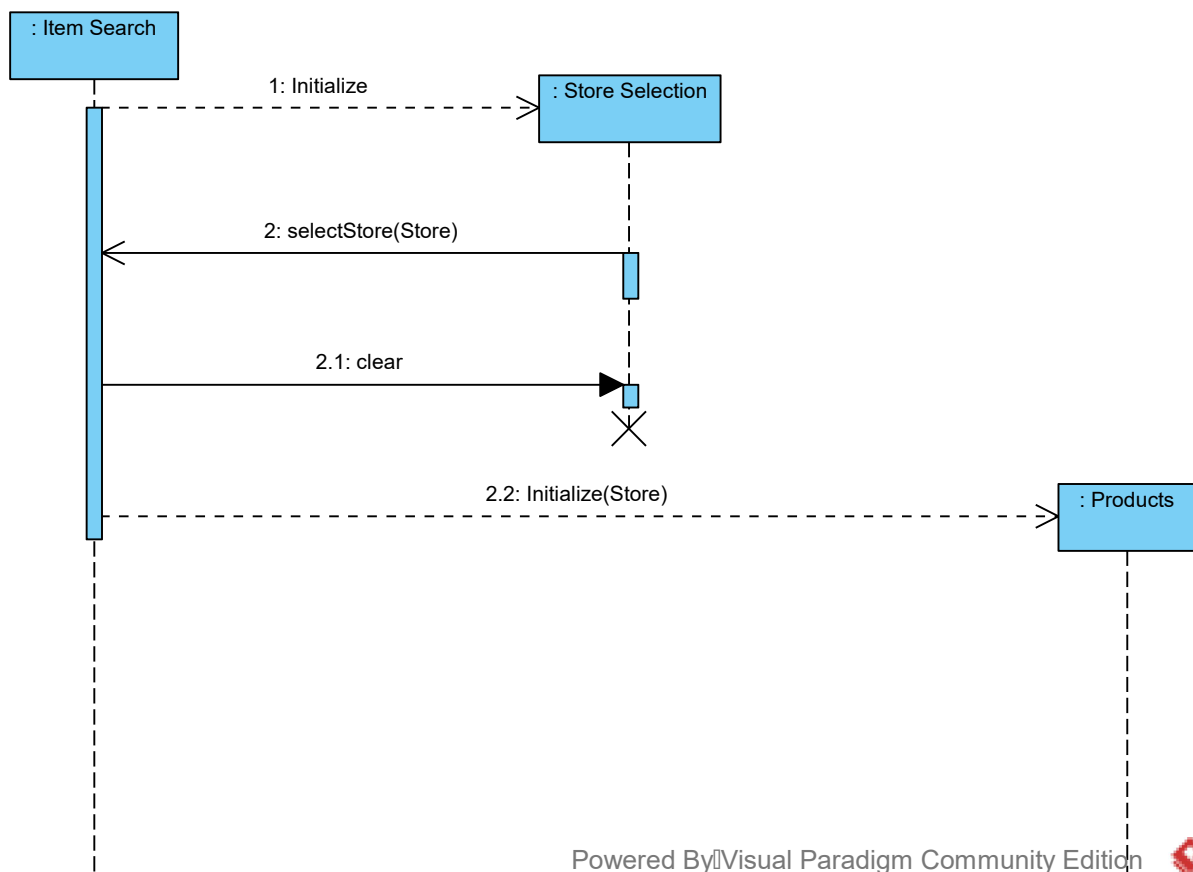


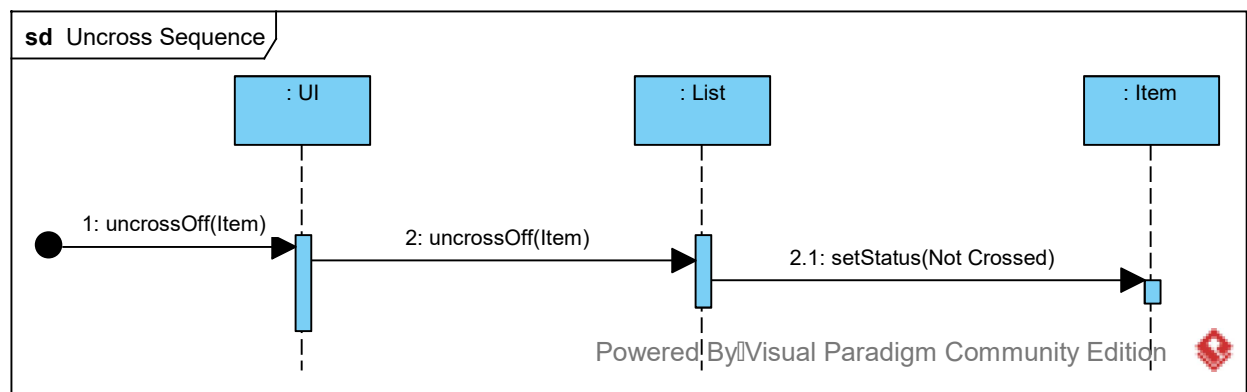


sd Item Select Sequence



sd Search Sequence Diagram





YALA_Gantt_Diagram

Oct 28, 2020

Software I - Jake Allen, Evan
Berryman, Sam Hobbs

<https://github.com/jake-allen/YALA>

Project manager

Project dates

Sep 7, 2020 - Nov 28, 2020

Completion

14%

Tasks

38

Resources

3

Tasks

Name	Begin date	End date
Inception	9/7/20	9/25/20
Vision of the Project	9/7/20	9/25/20
Project Plan	9/7/20	9/11/20
Use Cases & Scenarios	9/11/20	9/23/20
Relevant Diagrams	9/11/20	9/25/20
Requirement Analysis	9/11/20	9/25/20
Glossary	9/23/20	9/25/20
Iteration I Presentation	9/28/20	9/29/20
Finalize Presentation	9/28/20	9/28/20
Present	9/29/20	9/29/20
Elaboration	9/28/20	10/29/20
Analytical Model	9/28/20	10/1/20
Software Architecture Description	10/2/20	10/5/20
Architecture Prototype	10/6/20	10/15/20
Refine Architecture Prototype	10/16/20	10/29/20
Design Model	9/28/20	9/30/20
Iteration II Presentation	10/30/20	11/20/20
Prepare Presentation	10/30/20	11/19/20
Present	11/20/20	11/20/20
Construction	10/6/20	11/4/20
Design Model	10/6/20	10/16/20
Software Components and Subsystems	10/8/20	10/26/20
Integration	10/14/20	11/4/20
Test Planning	10/20/20	11/4/20
Documentation	10/30/20	11/4/20

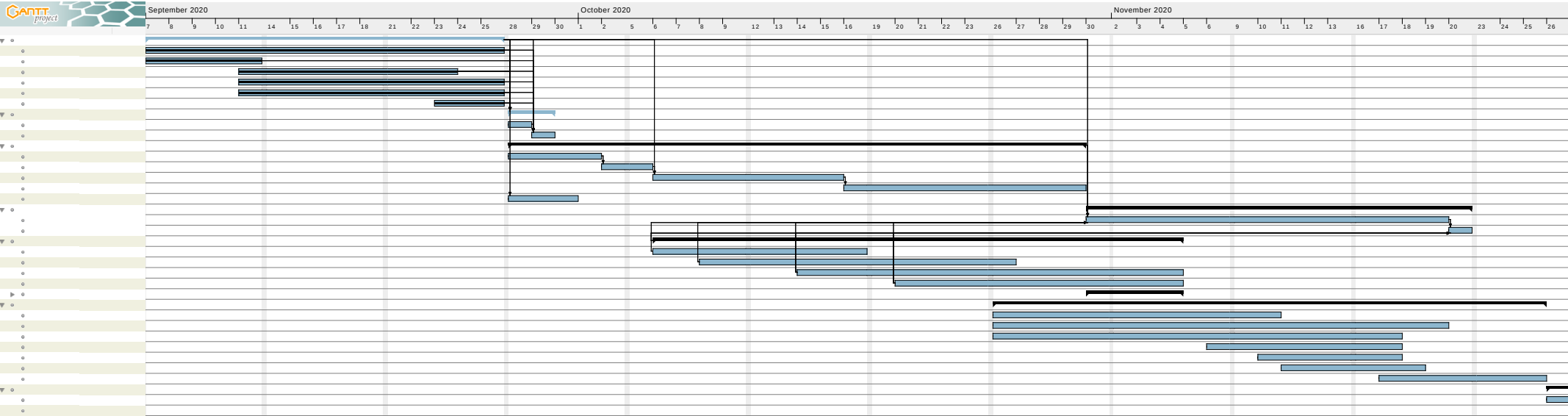
Tasks

Name	Begin date	End date
User Manual	10/30/20	11/3/20
Installation Guide	11/2/20	11/4/20
Transition	10/26/20	11/25/20
Software Increment	10/26/20	11/10/20
Software Maintenance	10/26/20	11/19/20
Test Reporting	10/26/20	11/17/20
Statistics/User Monitoring	11/6/20	11/17/20
User Feedback	11/10/20	11/17/20
Performance Analysis	11/11/20	11/18/20
Adaptations	11/17/20	11/25/20
Iteration III Presentation	11/26/20	11/27/20
Prepare Presentation	11/26/20	11/26/20
Present	11/27/20	11/27/20

Resources

Name	Default role
Evan Berryman	Leader / Engineer
Jake Allen	Project Manager / Engineer
Sam Hobbs	Engineer

Gantt Chart



Resources Chart

