Cross Platform Development Assessment 1

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Concept:

App Store Description:

A new list making app to help you with you procrastination by showing your progress with pictures of your work as well as a map showing you where you are most productive.

Easily create multiple lists and tasks to break down daily chores, shopping, work projects, or anything else that needs to be broken down into smaller, more achievable goals. Once you've completed a task, take a picture of your work so you can visualize your progress in the gallery tab.

The gallery tab allows you to see all previous completed tasks and lists with the pictures you've taken so you can be motivated by your previous achievements.

Your location can also be saved when you complete a task and put on the map view, allowing you to see where you are the most productive.

Add tags to your lists to sort and filter through them in the gallery and map views.

There is also a profile tab which will show you how many tasks and lists you have completed in total, keeping you motivated to get that number higher and higher.

Competitor Analysis:

Competitor name: Tasks: to do list & tasks.

Functionality:

- Pick a colour for your lists.
- Sub lists.
- Each task in a list can have subtasks to further breakdown the work.
- Notes for each task and list.
- Due date.
- Reminder.
- Tells you what time you finished a task.
- Undo button.

Overall this add has great functionality with many different features that are useful. Although sometimes it can feel a bit overwhelming when trying to just create a list and are given many different settings to choose from.

User experience:

- Tapping the task name goes into its settings rather than crossing it off.
- Completed lists don't go anywhere, must manually delete them or add to them.
- There was lots of functionality with the app, but it made it feel overwhelming at points.

The user experience was alright. It has a nice calming UI but some of the functionality didn't act in the way I was expecting which can be very frustrating.

What has been learned from this app:

- Have some more functionality, i.e. giving the time and date of when a task and list was finished, letting the user choose a colour for a list, and an undo button.
- When the user completes a list, ask them if they would like to delete the list, add to it, or create a new of with the same tasks.
- Don't overwhelm the user with lots of settings for each list and task.
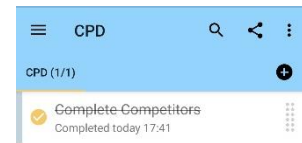
Screenshot:

This screenshot shows the nice UI as well as the fact the user isn't promoted with anything after completing the list.
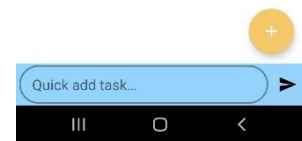
Competitor name: Make-A-List

Functionality:

- Can move lists around in the list view.
- Can share lists with other people.
- Very simple look.
- Widget integration.
- Allows you to delete tasks after completing them.

Overall the functionality felt a bit lacking and too simple which was in contrast to the previous competitor. The simple overly UI (just a white screen with some lines) gave it a more cheap feeling at points and so wasn't nice to look at or use.

User experience:

- Going into a list doesn't change the view and looks the exact same as the list view.
- No easy way to go back to the list view from the task view.

As stated previously, when going to the task view it didn't the UI in any way and felt quite confusing, as if I had just deleted the list I clicked on.

What has been learned from this app:

- Make sure there is a clear back button from the task menu. Possible have it as a layer over the list view.
- Make sure there is a clear transition from all the screens so the user is aware that they have gone somewhere else.

Screenshot:

These screenshots clearly show that there is very little difference between the list view and the task view. This can be quite confusing to the user as they may not be aware they have gone to a new screen.
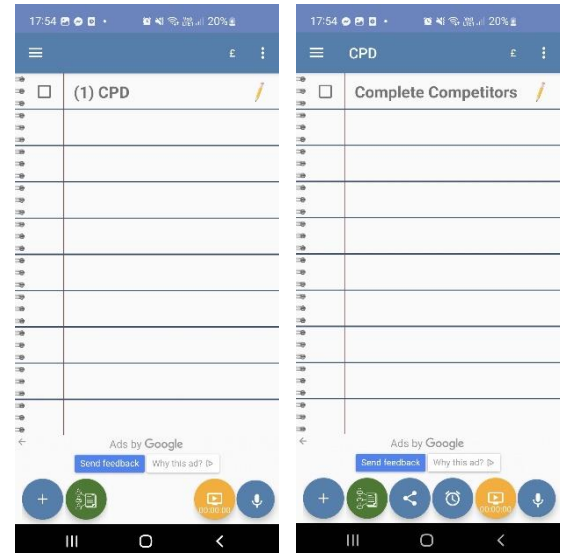
User stories and Requirements:

Jim, a student who struggles with procrastination, even at the library, often gets overwhelmed with large assessments as well as some chores. Jim wants an app that helps him stay motivated and focused on his tasks, as well as breaks down the tasks into smaller, more achievable ones so that he can complete work and other chores on time without being overwhelmed. Jim could use a list making app to break tasks into smaller goals and put them in a list. This would help him with being overwhelmed as well as motivate him the complete each small task. Being able to visually see his progress in the app would also help with his motivation. Jim also wants to know where he gets the most work completed so he knows where he is less likely to get distracted.

As a user, I want to:

- Create a to-do list to break down my tasks.
- Track my progress with a visual indicator.
- Find where I am most productive.
- See how many tasks I have completed in total.

Features:

The app should:

- Be able to make multiple lists.
- Be able to take a picture when needed.
- Be able to get geolocation when taking a picture.
- Save all complete lists and tasks with their given picture and location.
- Save number of completed tasks and completed lists.
- Show the user a map of where they have completed tasks.

Five Planes Prototyping:

Strategy:

The main aim of the app is to help with procrastination by allowing the user to make lists which break down tasks that can be overwhelming, as well as take pictures of each completed step to increase the motivation by showing the user their progress visually. A map view will also be included

so that the user can see where they get the most tasks done and therefore tell them where they should go if they need to get some work done.

Scope:

- The user can create multiple lists and give the lists tags so they can be filtered.
- The user can add, delete, and cross of tasks within lists at any point.
- Use of phone camera to take pictures of completed tasks.
- Use of geolocation to get location of user when a task is completed.
- The user can go to the profile tab to see their total completed tasks.
- The user can go to the gallery to see all their completed tasks as well as pictures they have taken.
- The user can go to the map tab to see where they have completed tasks in the past.
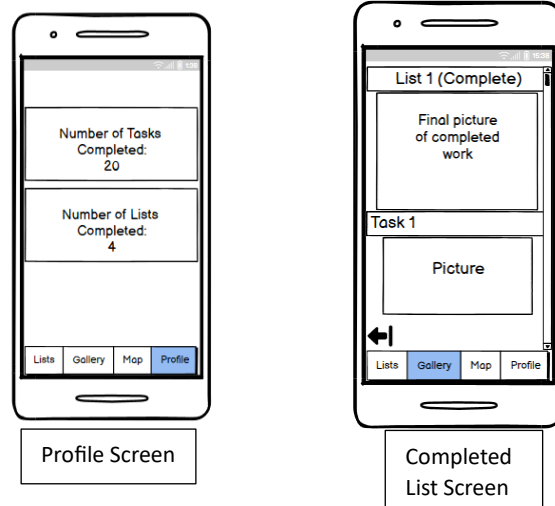
Structure:

From the scope we can see that the user should be able to navigate to each of the main screens (Profile, List, Gallery, Map) from almost anywhere. A tab at the bottom or top of the screen would allow the user to easily navigate to any screen at any time.

The user also needs to be able to go back and forth from the list screen to the task screen. In which case a back button will need to be added to the task screen. The same goes for the gallery and the completed task screen.
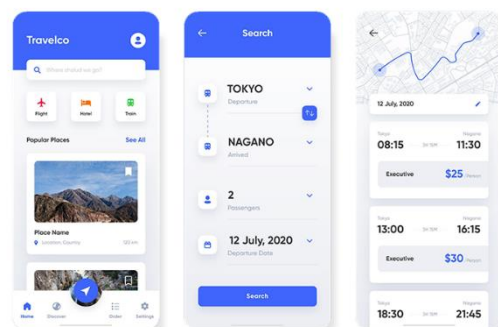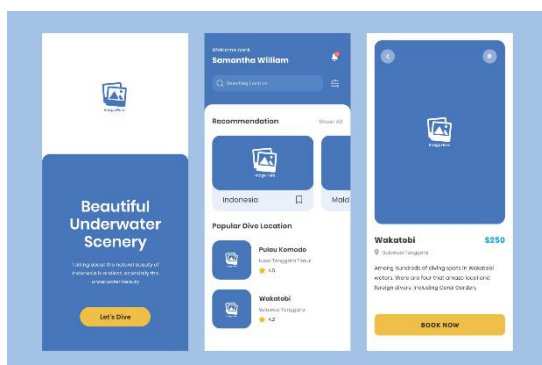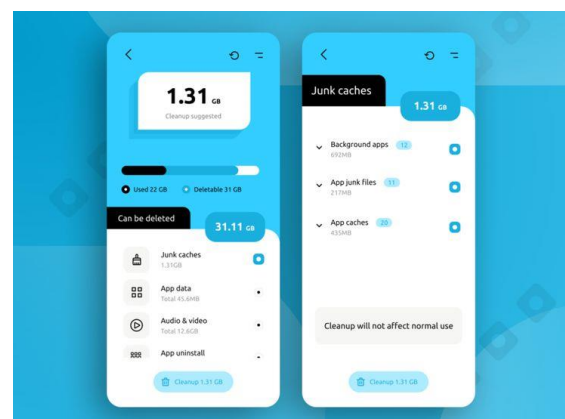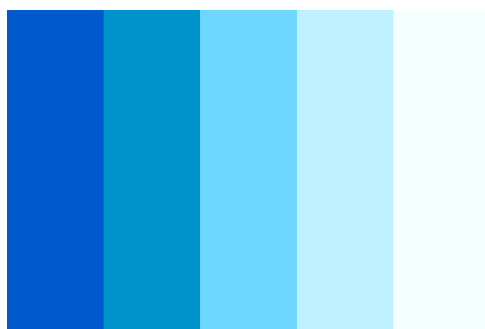

Skeleton:

Profile Screen
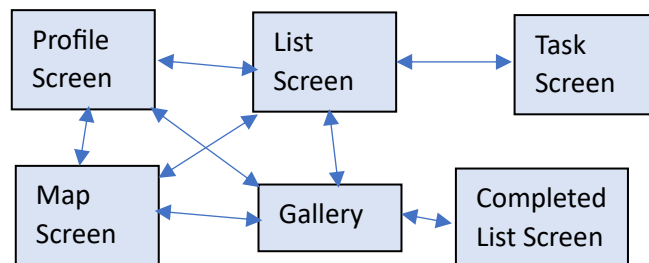
Completed
List Screen
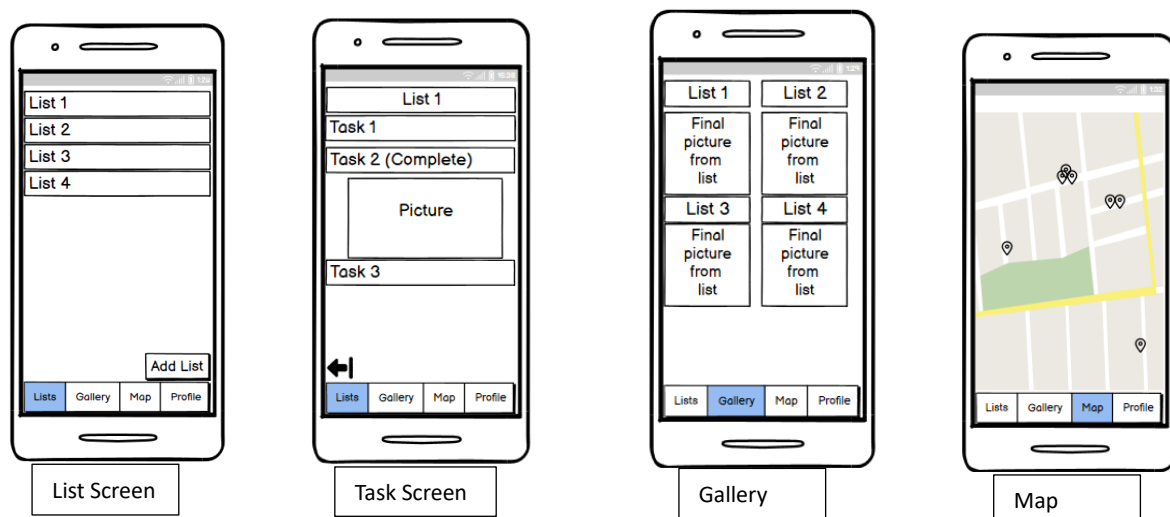
As stated in the structure plane, a tab will be implemented at the bottom of the screen, as this is where most mobile users have easiest access to. There is also a visible back button on the bottom of the task and completed list screens to allow the user to go back to the list screen or gallery screen respectively.

Surface:

The skeleton plane tells us that to keep everything simple and easy to understand so that the user can easily move between each screen and understand what each button does. To achieve this, a simple two tone colour palette will be used so the user can easily understand what is clickable. The colour palette will also be a light blue and white which are calming colours. This will help the user be

in a calming mind when creating the list which can help them break down the task they need to do and in turn help with their procrastination.

SUS and questionnaire:

SUS completed by Mijon Mohammed (19697782).

1. I think that I would like to use this system frequently. 4

2. I found the system unnecessarily complex. 2

3. I thought the system was easy to use. 4

4. I think that I would need the support of a technical person to be able to

use this system. 1

5. I found the various functions in this system were well integrated. 4

6. I thought there was too much inconsistency in this system. 2

7. I would imagine that most people would learn to use this system very

quickly. 3

8. I found the system very cumbersome to use. 2

9. I felt very confident using the system. 3

10. I needed to learn a lot of things before I could get going with this system. 1

Total: 75

The overall score shows that the app should work well and have good usability. The app loses points from people possibly not being able to learn how to use it quickly. This may be due to the picture taking feature which hasn't been used in list apps before and therefore may take some time to get used to. To counteract this, all the other features should be very easy to use and understand. The app also need to not overwhelm the user with lots of features and settings from the start.

Interview Feedback:

After interview a few members of my house about the app, a few ideas were brought up as well as questions about features:

- Not quite enough features, maybe add a reminder feature and the time at which you created the list/ task.
- It might be very annoying if you accidently delete a list or a task so an undo button would be great.
- There isn't enough on the profile page, maybe add more counters/ information.
- There is nowhere to filter with tags, need to add a settings button on the lists and tasks.

Changes implemented:
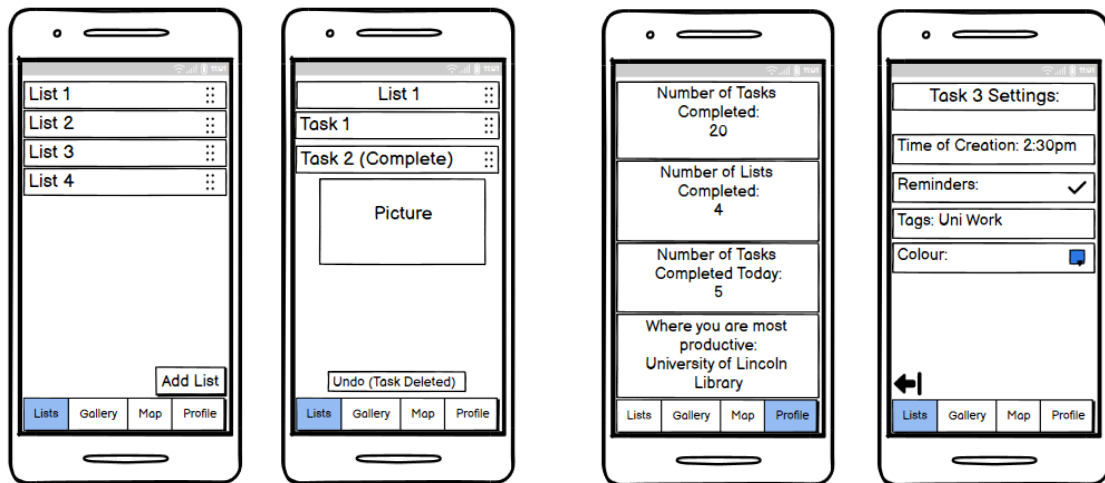
A settings button has been added to each task and list. As stated previously, pressing the name of the list or task crosses it off rather than going into settings. Only the buttons on the right can be pressed to reach the task or list settings. An undo button will also appear when the user deletes a task or list so they can easily remedy a mistake.

The settings view will tell you when you made the task or list, if you want to add reminders, if you want to add any tags, and what colour you want the list to be.

The profile screen now also shows the number of tasks you have completed today, as well as where you are most productive (where you have completed the most tasks).

After another set of interviews, some more notes were given:

- The "where you are most productive" should be editable to show where you are most productive with a certain tag or tags.
- Its not obvious where you can add tags to a list or task.

Changes implemented:
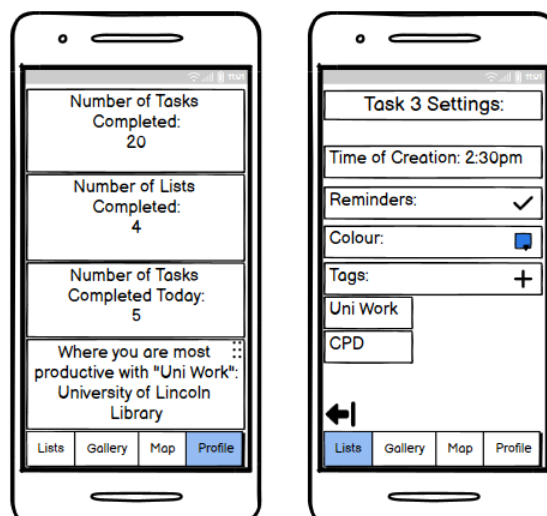
A settings button has been added to "Where you are most productive" so you can change the tag which it filters from.

The tags are now in a list and a clear add button has been put in.

These changes now show the final prototype ready to be created.