

ASSESSMENT 2

DESIGN DIALOGUE



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EDINBURGH NAPIER UNIVERSITY
40416076

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Introduction:

This application is based on the 3D view of Edinburgh Napier University Merchiston Campus. In which user can have the look of campus through designed 3D diagrams for all four seasons i.e. summer, autumn, winter and spring.

As for the abroad students who can't view the campus without visiting the place by themselves can just see through this application at their place. Motivation behind this was that how to attract users? How users can view it before and can see the place especially for all seasons view. Other information about campus regarding schedule, staff, courses etc. is available on their official website. Therefore this application will be helpful for users to get more detailed view.

Another aspect of this system is to support Ioin's gate project as well. This preview shows how to modify the places of the campus which are not in use to utilize them and make them more attractive and beautiful.

Design approach:

Scenario based approach is used. Short stories of people helps to describe the usage and actions. In scenario types I used Information and Interaction scenarios. That how users can get more information about the campus and knowledge about how to transform their campus free place into gardens and seating area. Either users want to interact with any such kind of systems or not.

To attain accessibility for the system "*Design for all*" approach is used.

- Equitable use

This design does not disadvantage or stigmatize any group of users.

- Simple, intuitive use

The design is quite simple and flexible to use. Users can easily access it. Use of the design is easy to understand, regardless of the user's experience, knowledge, language skills, or current concentration level.

- Tolerance for error

The design minimizes hazards and the adverse consequences of accidental or unintended actions.

- Low physical effort

The design can be used efficiently and comfortably, and with a minimum of fatigue.

Understanding:

The focus of understanding was that if users can get more attractive view of the campus then there will be more chances that more students will come to visit and apply for admissions. As along with the study standards students also need a place which will appeal them and they can feel relaxed during their free time. This application will be providing more ways for how to improve the area using techniques they can easily implement on. During free time different volunteers can come across and can work together as a part of Ioin's gate project team. Beside that if users can get a 3d view of the building that will be very helpful for them. To enhance this the feature can be added that they can have the view of same building for all the four seasons just by clicking the required button.

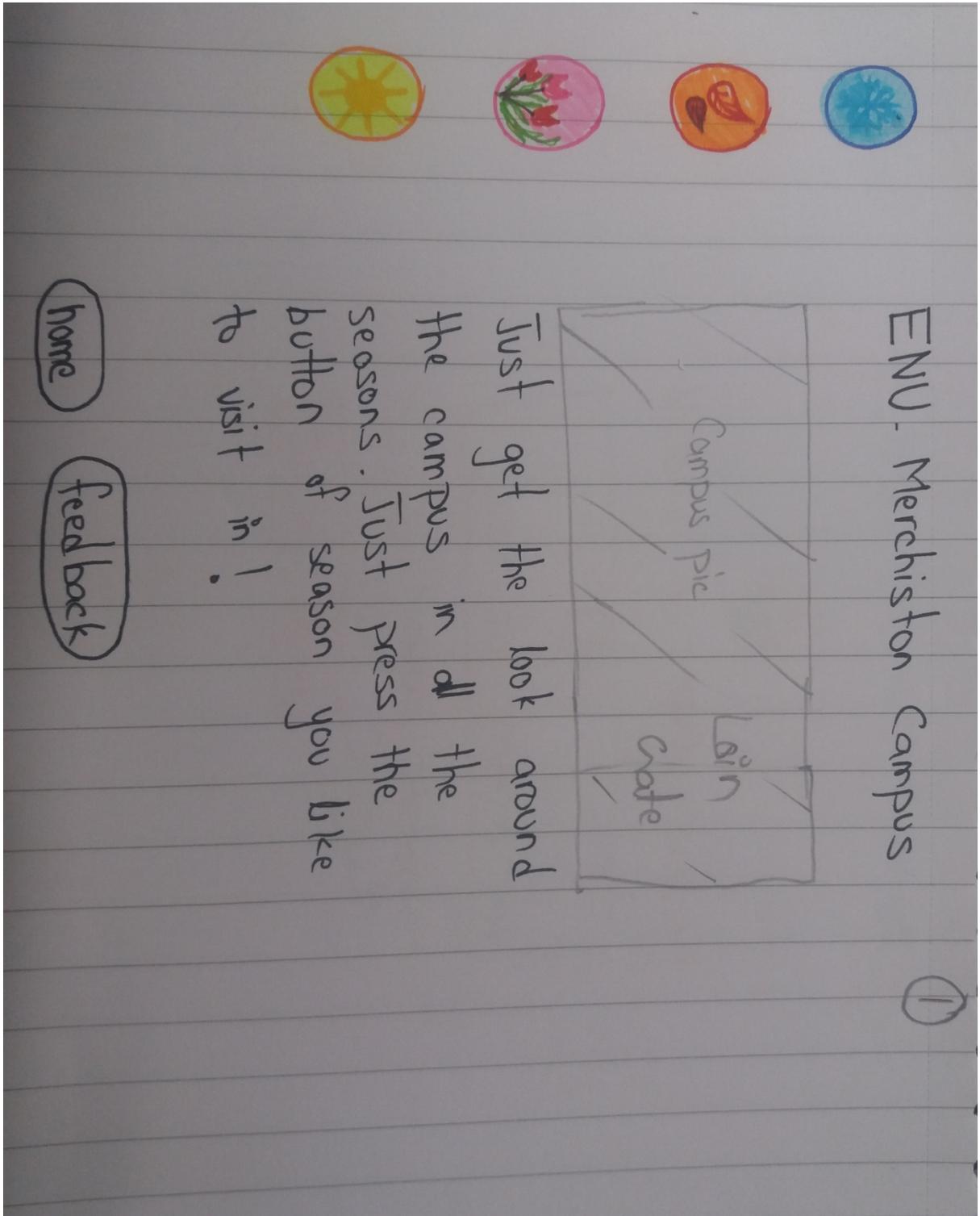
Requirements

This will require different pictures of the building which will be then modified according to the season. For example if we want to go for spring season. Firstly we will get the building pictures. Then space will be changed as how it will look during spring. Bright Colours, flowers, greenery etc. will give the view of spring. Similarly for autumn same pictures will be modified with the colours of yellow, orange, brown, dried leaves and so on. Then pictures will be assembled accordingly and will be Photoshop to make a 3d view for each season.

Another feature which is included for Ioin's gate project can be that when the pictures are edited to give the required view. They can be modified in a way that can include different objects which will enhance the beauty of the place. Place can be utilized in a reasonable manner. For example creating outside seating areas etc.

This application can also have the page for volunteers to give different suggestions which can be helpful in modification and by adding new technologies.

Envisionment:



②

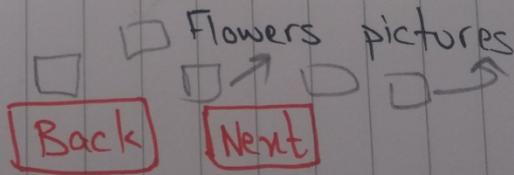
ENV - Merchiston Campus



Welcome to spring season!

③

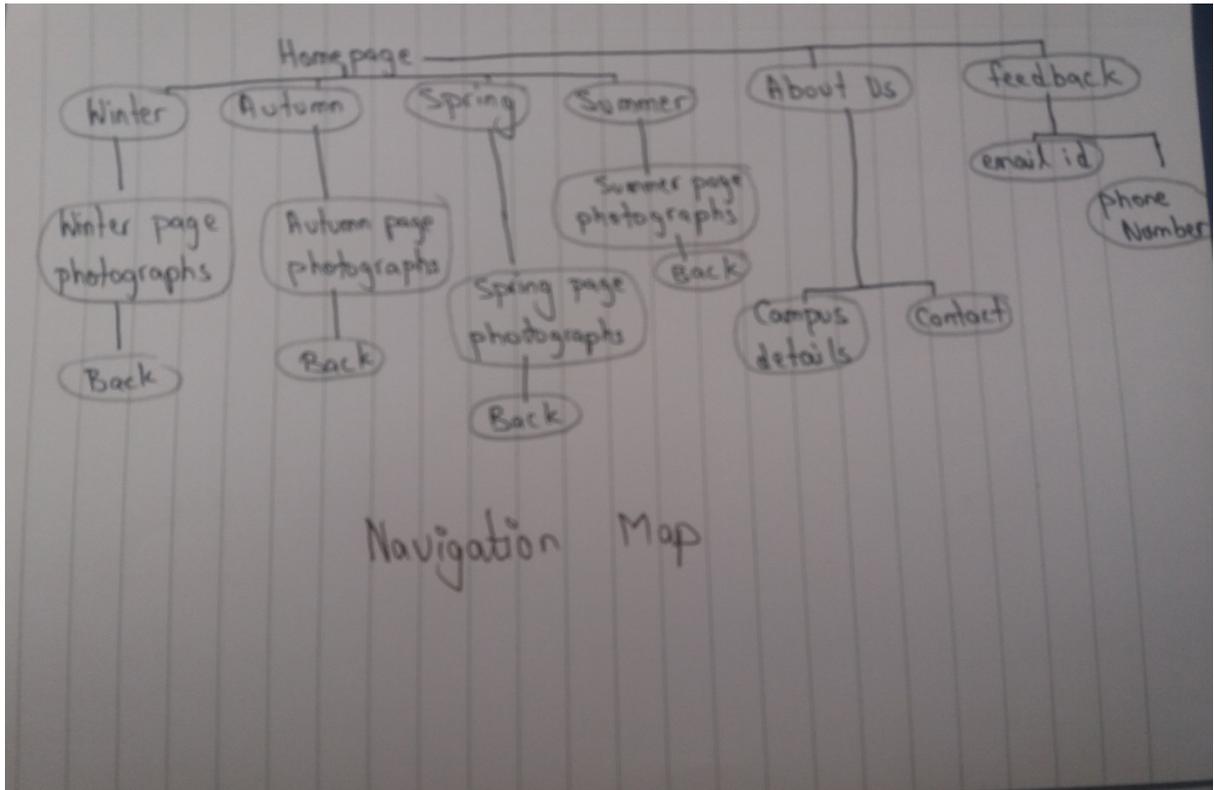
Slider for campus pics

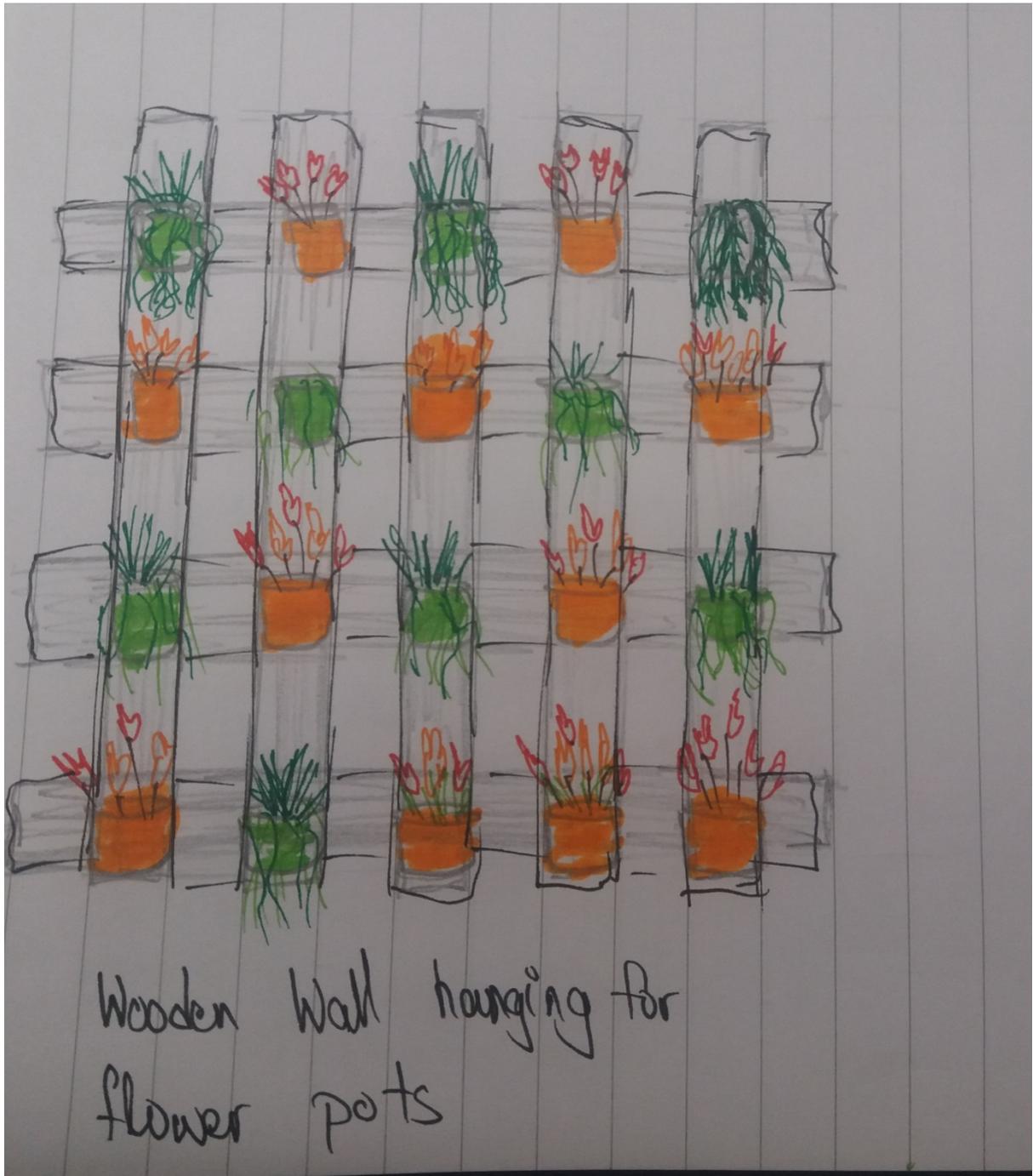


Spring view of the place which is part of Ioin's gate project. On the right side of the place round tree benches can be fixed. Students can utilize this space in free time. Old tyres can be used as a source of flower pots. The pathway can be covered with pebbles and sides can have flower pots. Side wall can have wooden wall hangings having flowers on it. Left side can have a small pond. The rest space will all be covered with grass. Overall it will give an enchanting view of this space because of colours of flowers etc.

All this work can be done by volunteer students of this team. Turning the plain boring space into the beautiful space will be very pleasing.

The same picture will then be transformed for autumn view when all the trees will be turned yellow. Whole space will be covered with the shades of yellow, orange, brown and red.





Evaluation

Participant-based methods:

Results through user testing shows that some of them were not getting exactly what the application is about? What is the need for this? Why one will be willing to help in recreation of the campus?

Some views were also in favour that it will be helpful. It will be easy to use and find out the detailed view. Mainly the participants of Ioin's gate team appreciate that this is useful application.

Main view of the application is not exactly designed yet therefore users find the main look a bit boring.

There is need to modify the front view and add more features to make it more useful.

Heuristic evaluation:

Visibility:

Things are not as clearly visible and people can't see what functions are available and what the system will do.

Consistency:

Physically the use of colours is appropriate.

Familiarity:

Symbols and icons used are familiar.

Effectiveness:

User can easily navigate through application but it is simple enough thus some didn't find it effective.

Control:

System is clear as icons also clearly explains which button represent which season and what will happen through it.

Some responded that system isn't clear.

Feedback:

User can give feedback as well.

Style:

Application gives a colourful and stylish display.

Conclusions:

There are many things to further modify for this application. Work on the display and functionalities is required. Further iterations are required to make it better and according to user requirements. Also work on prototypes should be done to show users more detailed look of application.

I used scenario-based approach because it helps to know about what users actually need and one can find out the things from the scenarios and can utilize that information in making the system in more appropriate manner. For evaluation participant approach helps in the same way because users can directly interact and can get idea where the mistakes are? Where the improvement can be done? Similarly heuristic approach is very useful in a way because it gives

the detailed view about the system. Evaluation is done on all criteria's that how effective it is? Visibility criteria etc. all are checked and evaluated accordingly.