Winter Design Assignment

Information Management Group

IIT Roorkee

Overview

The campus of IIT Roorkee revolves around technology and its applications in all spheres, ranging from administration, departments, student groups to name a few. We are all surrounded by fast speed internet, and we are intermingled with technology in all respects. Well, this was not the same before we came to Roorkee.

School life was amazing and now when we look back it's full of memories, some good and some bad. Unlike college, school had a very different environment and culture than what we are experiencing here in college, with numerous challenges from waking up early every day, managing timetable to organizing group projects.

This particular assignment is about building a solution to a valid problem you have encountered as a student in your school.

Assignment

You are required to find a **potential issue or a problem** (technology or non-technology related), and build a **design concept solution**. The concept solution could be for a mobile app, a website or any other platform.

You are required to submit:

1. A descriptive problem statement
2. Proposed solution, thinking and deciding on features (You can share all your explored solutions, and select the final solution)
3. All necessary wireframes
4. UI/mockup of one specific screen

Deliverables

1. **A descriptive problem statement**

   It is really important to first understand the problem, your users (for whom you are solving) and current scenarios by proper research methods before directly jumping to conclusions & sketching solutions. There are various quantitative and qualitative research methods that will help you dig deep into the problem statement or just have a proper visual of the available data . This section requires you to learn about

User Research Methods, Personas, Mental Models, etc and write down a valid problem that you have faced or seen someone face it during their school life. (Research methods, Personas will help you have a better understanding of the problem but all of them may/may not be essential for your assignment.)

2. **Proposed solution, thinking and deciding on features (You can share all your explored solutions, and select the final solution)**

   After getting a decent idea of the problem statement, I am sure you must have started visualizing how the product works. Pen down all the possible features and flows which come to your mind you can any tool for this. It is important to do rough work for every possible solution before you start wireframing. Note down all the possible solutions in words before moving forward.

3. **Wireframes for all screens required**

   However, pen and paper offer you freedom which no other medium can. You may want to utilize this tool to complete this task. Paper prototyping and wireframing helps in testing ideas at an early stage and also is easy to express ideas with low efforts.

4. **UI/mockup for one specific screen**

   After wireframing comes the part where you put in colors, spacing and every other aspect left. UI depicts how exactly the application will look, work and shared with engineers in the further process of development.

Reading sources:

This assignment requires a lot of reading and learning. Here are a few links which you can refer to.

https:// uxplanet.org/

https://uxdesign.cc/

https://www.nngroup.com/articles/

For a better idea of the process, you can also refer to the case studies written by designers at IMG on channeli projects:

Product Design at IMG

Designing a campus-based buy and sell application

Distribution

1. Defining problem statement (25%)
2. Uniqueness and validity of the problem (10%)
3. Proposed solutions, thinking, deciding on features (25%)
4. Wireframes (25%)
5. UI for one screen (15%)
6. **Brownie points for any other efforts**

Submission

Document and compile all your process and deliverables in one pdf. Make sure that the pdf is easy to understand and comprehend by others.

Submit the deliverables on https://forms.gle/5y6FhXPGsfUux9VEA

Deadline: 2nd January 2020; 11:59 PM

For any further queries, contact-

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