Project Proposal

CPSC 481 - Tut 02

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Friday, October 2nd, 2020

Proposed Ideas

1. Title: Schedule Planner

Description:

Organization is something many people struggle with throughout their entire lives. Many people try to organize their schedules but give up due to the hassle. We wish to design an app/desktop app that plans out your days. This will allow those who struggle with allocating time for everything, or those that just put less effort into planning their days, a fast and efficient way of doing so. With this, those that really struggle with organization or planning might be able to find more success in their jobs, school or just with being more organized. You will be able to enter in your preferences on your profile such as: How long you eat lunch, if you prefer to work in the evening or morning, how long you can stay focused on a task, etc. Tasks will be assigned priority by the user. Based on priority, due dates and preferences, the application will create a suggested schedule for the user. If the user dislikes the schedule, there will be a remake option to create alternative schedules for the user. If unexpected tasks arise, the user can use the app adjust their schedule to accommodate for it. So, making “be more organized” your new year's resolution might not be a bad idea.

2. Title: Virtual Clothing App

Description:

We are presently witnessing a dramatic rise in online shopping. Online shopping has the benefit of allowing customers to explore thousands of items from the safety of their homes. However, despite a perceptible increase in choice, shoppers are robbed of the in-person experience. This is problematic for clothes shopping where the way a product fits and feels is important to the shopper. Buying clothing that does not fit may lower a customer’s self-image and lead them to feel insecure, inadequate, or unworthy. As such, we would like to propose developing a mobile app that uses a 3D model of the shopper and allows them to virtually “try-on” clothing. Users, using a mobile app, begin by capturing photos of themselves wearing tight clothing from different angles to generate a 3D model. The user will then browse through the catalog, select the clothes they like, then – using their virtual avatar – try on clothes. This will help the customers get a sense for how the clothes fit their body before making their purchase. The users will have the ability to try on multiple different sizes of clothes to see how each looks on themselves. Additionally, they will be able to rotate their figure on the screen to see all angles of themself. We know that all customers have different body types and all clothes fit differently. Our mission is to solve one of the deficiencies of online shopping by giving users a virtual experience with their potential purchases.

3. Title: Drone Delivery Command Centre Interface

Description:

Since the covid-19 pandemic, the food and small package delivery service has skyrocketed. Understandably, people want their packages delivered quickly; food needs to stay warm and fresh. The most effective form of delivery is by drones because they are cheaper to buy and maintain compared to driven vehicles. Drones can additionally operate at all hours and are not subject to road traffic. We would like to propose an app that connects businesses and customers with a drone delivery service. With a fleet of drones making all deliveries, wait times would be a fraction of what they are now. We will design a desktop-based interface to manage the fleet of delivery drones. It will include a map of the coverage area with real time tracking of the location of all drones in the fleet. It will also include vitals of the drones, such as battery level and altitude. There will be a list of all drones out on delivery that can be sorted by different criteria such as distance and battery remaining. The operator will be able to control any drone individually, if needed or recall all drones.

Links

Link to Portfolio: https://teamlepinee.wixsite.com/cpsc481teamn

Link to GitHub: https://github.com/stephanedorotich/TeamN.git