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COLLEGE OF ENGINEERING AND INFORMATION TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

In Partial Fulfillment of
COSC 75A: Software Engineering II

A Proposal of

TapOn: Travelers Buddy Alarm and Companion

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Research Proposal

TapOn: Travelers Buddy Alarm

I. Rationale

As we are now facing again the new normal as we already end the fight for pandemic travel became the best way to progress as face to face set up is back on the line in many industries like companies, government agencies and even universities. Travelers not only focuses on vacation set up it also consider students, workers and regular citizens and as we know travelling is not always at ease as we can experience tiring day as well sometime travel became the worst part of our daily doings like there are times that we get asleep in the middle of our travels especially for students and workers and we forgot to take focus on our ways and get lost on our destinations but we can't even control our body and mind to just stay focus because sometime our transportation is the best way for us to take some rest as well during out tiring day so with that TapOn: Travelers Buddy Alarm and Companion is a travel-focused mobile application designed to provide a comprehensive solution for travelers. There are rationale presented in this study Safety and Security, TapOn: Travelers Buddy Alarm and Companion prioritizes the safety of travelers by offering a reliable alarm system. It allows users to set alarms for their desired destinations for various situations, such as waking up to arrive at the destination, Notifying users to return if they are already near at the desired location. Customized Alerts, The app offers customizable alarm settings to cater to individual travel needs. Users can set alarms for specific locations. This ensures that travelers don't miss important stops or locations during their trip. Next we have Location-Based Services, TapOn: Travelers Buddy Alarm and Companion leverages GPS and location-based technology to provide relevant information about the user's surroundings. It can offer real-time weather updates, local event notifications, and nearby points of interest, enhancing the travel experience. Community and Reviews: TapOn: Travelers Buddy Alarm and Companion can create a community of users who can share their travel experiences, recommendations, and reviews for the app. This social aspect of the app can help travelers and developers as well to make informed decisions about places to visit, activities to try and new features to create. With integration with Travel Services, The app can seamlessly integrate with popular travel booking platforms or websites, allowing users to make easy access on travel booking sites. Lastly User-Friendly Interface: The app boasts an intuitive and user-friendly interface, making it accessible to travelers of all ages and tech-savviness levels.

SMART Travel Alarm application is to provide the information available to their user when they arrive at a certain location. GPS is becoming popular with location positioning systems, today there is huge demand for location based applications(R.Lavanya P.K., & Laxmipriya C.Sasirekha. (2016, March 15)). In summary, TapOn: Travelers Buddy Alarm and Companion provides a holistic travel solution, encompassing safety, convenience, and a sense of community. It helps travelers stay organized, safe, and informed during their exciting journeys, ultimately enhancing their overall travel experience with ease.

II. Purpose and Description

TapOn: The Travelers Buddy Alarm has been painstakingly created to be your go-to travel and adventure companion. Its main goal is to greatly improve your travel experience overall by making sure you never miss a moment whether traveling to new destinations or going on thrilling experiences. Whether you're an experienced world traveler with many stamps in your passport or a casual vacationer enjoying quick travels, TapOn is here to make your journeys flawlessly organized, incredibly pleasurable, and consistently secure. TapOn is an innovative smartphone application that was created after careful consideration of the particular requirements and difficulties that different types of passengers experience. It is a vital component of your travel toolset because it has a broad range of features and capabilities that are designed to meet these particular needs.

TapOn: Travelers Buddy Alarmand Companion stands out as a flexible and feature-rich mobile application carefully created to meet the various and unique needs of travelers, whether they are seasoned world travelers exploring the remote reaches of the planet or casual tourists taking quick breaks from their regular lives and even regular days. This cutting-edge travel companion offers a wide range of features and advantages that not only make traveling easier but also improve the overall experience, making it an essential and priceless item in your trip toolkit.

The app promotes relationships by providing a forum for travelers to exchange experiences and learn from other world travelers. It's like having a group of experienced friends who have traveled to the same places and are willing to share advice and recommendations.

As a result, TapOn: Travelers Buddy Alarm and Companion is more than simply a smartphone app; it's your dependable traveling companion. Your excursions are planned, entertaining, and secure because of its adaptability, feature-rich design, and dedication to meeting the specific demands of travelers. Whether you're traveling through a desolate wilderness, a crowded city, a calm beach, or you're just a traveler, adventurer, worker or even a student.

III. Objectives of the Study

The TapOn: Travelers Buddy Alarm's and Companion main goal is to assist wealthy people who require assistance while traveling without restrictions. It may assist frequent travelers, passengers, employees, and even students as it works as a dependable and adaptable alarm system, enabling travelers to set alarms for a variety of travel-destinations , such as wake-up alarms and travel reminders. Keeping passengers on schedule and ensuring they never miss a key moment throughout their journeys is our main priority. We also aim to incorporate safety features, such as emergency contact information, real-time location sharing with trusted contacts, and emergency service information, to ensure travelers feel secure throughout their journeys.

This project will require to use android studio and java and will also use agile methodology where processes generally promote a disciplined project management process that encourages frequent inspection and adaptation, a leadership philosophy that encourages teamwork, self-organization and accountability, a set of engineering best practices intended to allow for rapid delivery of high-quality .

IV. Expected Output



MODULES

REGISTER/LOGIN/LOGOUT: User can create account, easily login and logout for users security.

USER ACCOUNT PERSONALIZATION: User can edit their profiles like their picture and other personal information.

MAPS: Users can see maps and their current location.

DESTINATION ALARMS: Users can set alarms for their desired destination for them to have peace while on the trip.

SPECIAL FEATURE

BOOKING SITES: This feature has made it easy to access different booking sites for them to easily visit sites of different local flights.

COMMENT AND RECOMMENDATION: This feature will give a user community for comments and suggestions for the app and also for their travel experience.

V. References

R.Lavanya P.K., & Laxmipriya C.Sasirekha. (2016, March 15). *ISSN 2395 -695X (print) ISSN 2395 -695X (online)* vol. 2, special issue ...
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