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Travel Free

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Abstract;- **With increased number of passengers in railway stations, the number of theft and other crimes have increased in the past couple of years. As the passengers increase, the luggages they use automatically is more, with respect to the size and number. The comfort of walking without any luggages can happen with services that will be provided to the passenger through this particular Web App, "Travel Free"is a App that aims at travellers travelling by train, who find it difficult to carry luggages, walk in the crowd with luggages and senior citizens. The App provides railway porters who would help in picking up the luggages from the traveller's residence or from the station entrance and place it in the traveller's reserved seat. The details of the reservation should be given by the passenger during the time of booking. All this would be under the supervision of a responsible railway employee. Incase of any problems faced during or after the pick up, complaint can be given through the app portal and it would be taken care of. The required technologies are Wireless Internet Connection, GPS(Global Positioning System), and a good Smartphone**

***Keywords*— Wireless Internet Connection(Wi-Fi), GPS(Global Positioning System), Integrated Development Environment (IDE).**

I. INTRODUCTION

The Web App is a easy source for people to use and it is feasible to different operating syste users too. Our project aims at creating a user-friendly app that helps people travelling by train to book their luggage pick up from their houses. The app provides the user to book platform porters through a provider who is well authorized by the Railway Department. Once the booking is done, your luggage would be placed in your specific compartment and birth. Traveller's details should be given during the time of booking

II. RELATED WORKS

Airports have these types of baggage handling system(BHS). Their basic idea is "CHECK IN". They provide these services after the luggage has been bought to the airport by the passenger. A baggage handling system (BHS) is a type of system used to transport checked luggage from ticket counters to areas where the bags can be loaded onto airplanes. A BHS also transports checked baggage coming from airplanes to baggage claims or to an area where the bag can be loaded onto another airplane.

III. TCHNOLOGIES INVOLVED

- Web Applications
- GPS (Globl Positioning System)
- Wi-Fi (Wireless Internet Connection)

3.1. Web Application

A web application or web app is a client–server computer program in which the client (including the user interface and client-side logic) runs in a web browser. Common web applications include webmail, online retail sales, online auctions, wikis, instant messaging services and many other functions.
Mobile web applications:
Further information: Multiple phone web-based application framework
There are several ways of targeting mobile devices when making a web application:

- Responsive web design can be used to make a web application - whether a conventional web site or a single-page application viewable on small screens and work well with touchscreens.
- Progressive Web Apps are a hybrid of regular web pages (or websites) and a mobile application.
- Native apps or "mobile apps" run directly on a mobile device, just as a conventional software application runs directly on a desktop computer, without a web browser (and potentially without the need for Internet connectivity); these are typically written in Java (for Android devices) or Objective C or Swift (for iOS devices). Recently, frameworks like React Native, Flutter and Xamarin allow the development of native apps for all platforms using languages other than each standard native language.
- Hybrid apps embed a mobile web site inside a

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native app, possibly using a hybrid framework like Apache Cordova and Ionic or Appcelerator Titanium. This allows development using web technologies (and possibly directly copying code from an existing mobile web site) while also retaining certain advantages of native apps (e.g. direct access to device hardware, offline operation, app store visibility).

3.2 GPS - Global Positioning System

GPS is a space-based radionavigation system owned by the United States government and operated by the United States Air Force. It is a global navigation satellite system that provides geolocation and time information to a GPS receiver anywhere on or near the Earth where there is an unobstructed line of sight to four or more GPS satellites.The GPS system does not require the user to transmit any data, it operates independently.It is originally known as Navstar GPS. Its origin United States. It was first launched in February 1978; 39 years ago. It total consists of 33 satellites and in total 31 satellites in orbit.Two types of GPS are Military and civilian. It has a Global coverage. Accuracy is upto 5 meter. Features of GPS are:

- Designed for the Desired Use
- Locates Satellites Rapidly
- Adequate Screen Size and Resolution
- Adequate Screen Size and Resolution
- Accesses Live Traffic Info
- Upgradable to New Maps
- Compatible with Preferred Mobile Phone
- Offers Special Features of Value

3.3 Wi-Fi (Wireless Internet Connection)

Wi-Fi or WiFi is a technology for wireless local area networking with devices based on the IEEE 802.11 standards. Wi-Fi is a trademark of the Wi-Fi Alliance. It was introduced in September 1998, 19 years ago.Devices that can use Wi-Fi technology include personal computers, video-game consoles, phones and tablets, digital cameras, smart TVs, digital audio players and modern printers. Wi-Fi compatible devices can connect to the Internet via a WLAN and a wireless access point. Such an access point (or hotspot) has a range of about 20 meters (66 feet) indoors and a greater range outdoors. Hotspot coverage can be as small as a single room with walls that block radio waves, or as large as many square kilometres achieved by using multiple overlapping access points.

IV. RESULTS AND DISCUSSION

CONCLUSION

“Travel Safe” is a useful app that can reduce the chaos in Railway Stations. This would mean a better and safer journey that would take place. With smartphone users growing hugely, this would be an efficient app that could be easily accessed and utilised to make travelling a safer journey.

FUTURE WORK

As of now, airports don't provide the facilities of collecting the luggage from passenger's residence. This can be implied with the airports too. Volvo buses can also have this implemented in their system

REFERENCES

Wikipedia