

Hireling Falcorner Using Google Console API

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ABSTRACT: In this project, an employee tracking system is a combination of web as well as android application. When the user will login to the app the check the employee present list and then captured the image and Employee's GPS location will be sent to the admin. All the activities and behavior of the Employee will be monitored using this system. Scheduling information and work allocation are often considered part of hireling tracking as this information will enable managers know when employee are working in office or other areas to detect proxy attendance. This technique is very helpful for the admin to monitor their employee activities through mobile app. It was implemented using JAVA programming language, and the result was stored in MsSQLite database.

KEYWORDS: Google console Api, Api key, Google maps, Camera

I.INTRODUCTION

The aim of this project is to trace the worker and monitor the worker activity in company by their office telephone and improve the expansion of the corporate by securing company data. The necessity of an employee tracking information system to assist within the management, monitoring, searching, tracking, updating of the worker records becomes. The use of Google map is more prevalent generally GPS tracking system. But during this work, we've proposed a replacement concept of Google console API. Google API may be a set of application programming interface(API's) developed by Google which allows communication with Google services and their assimilation to other services. An application programming interface key (API KEY) could even be a singular code that's passed into an API to identify the calling application or user. API keys are used to track and control how the API is getting used, as an example to prevent malicious use or abuse of the API. This system maintains user's personal, address, and obtain in-tuned with details. This technique makes the general project management much easier and adoptable. Registered users can only access this application because authentication is provided only after the registration. Admin can give clients precise and complete information about their product delivery or when an employee will reach at their location. Employee can receive turn-by-turn driving directions to hunt out the only thanks to the client or to locate the closest restaurant or gas station.

II. RELATED WORK

In the employee monitoring and tracking system before the implementation of proposed system another system is their extant called existing system. Therein system the tracking of the worker is completed by fixing tags in several locations for identifying the particular position of an employee. Also the android mobile phone is connected to Bluetooth and wireless LAN. Therefore the monitoring of employee done to very shorter distance by using Bluetooth. It is not secured in existing system so that we can prefer proposed system because the communication link between centralized servers and employee phone is maintained by wireless LAN which is comparatively slow as compared to the 3G. Also the vigorous paring of mobile terminal is mandatory. The transmission network is more complex and it's not authentic. The alert message which is transferred through wireless LAN is a smaller amount secured.

Sonal et al (2016), worked on Android Employee Tracking and Monitoring System to verify the employee current location. They provided different security profile on same Smartphone. They use vigorous database utility which retrieves data or information from centralized database. They provided separate mode to employee when he enters company establishment through the mobile phone they can access the message history, incoming call, outgoing call, data usage, data location, time attendance and Unauthorized Call History details are tracked.

Nirmal et al, (2016), worked on Employee television Using Android Smart Phone, Their system amalgamates Employee monitoring and GPS location Tracking System using Android phone. All the activities of the worker are getting to be monitored using this system. The system works on 3G communication between the extreme ends. All the activities of an employee on his mobile phone and computer, like data usage, all incoming and outgoing calls, web browsing and secured details are the control of manager. Not only this, the worldwide Geographic position of the worker are getting to be traced using GPS. Therefore the organization are going to be set to view which can restrict the unwanted usage of its resources by the workers during working hours. The system was beneficial for the progress of the organization and can allow the Manager to ascertain the dedication of his employee towards work.

Priti et al (2015), worked on monitoring employee’s Smartphone using android application to monitor the behavior of the employee. The mobile device within the hand of the worker should be an Android based device and therefore the admin may have any entire mobile device, so that the managers will receive the alert messages from the employee in message format and also incoming, outgoing calls. For convenience, the alerts also are stored within the centralized server just like the details of incoming call, text and multimedia messages and therefore the timely location update of their Employee and their Manager may later login into the centralized server and consider the small print of their Employee’s mobile usage to avoid the proxy attendance. This system is convenient for the Managers to watch their Employee behaviors through smart phones.

III. METHODOLOGY

It calculates employee behaviour and also its performance. In proposed system we can use mobile application using GPS to track the employee activity. Manager allocate a daily location to the employee so that they cannot cheat in their work. In current location field we are using a Camera to identify the accurate locati details of employee, you can view that is stored in the database. In proposed system we can use Google console API. With the help of the tool, we can view daily and monthly reports on all APIs included with Google Maps Platform Premium Plan.API request is available in report data that include either a client ID or a project ID. On Manager can know employee behaviour and trace employee activity. Whenever you want view the details of employee, you can view that is stored in the database. In proposed system we can use Google console API. With the help of the tool, we can view daily and monthly reports on all APIs included with Google Maps Platform Premium Plan.API request is available in report data that include either a client ID or a project ID.

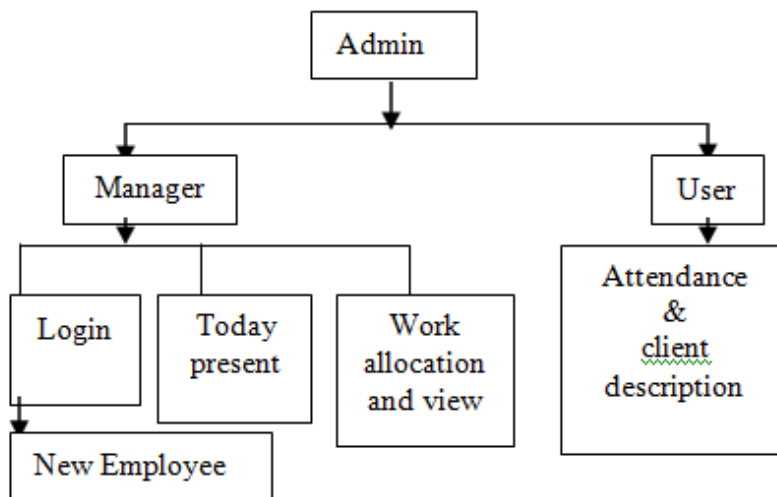


Fig 1 System Architecture

A. LOGIN PAGE MODULE

By using this module, the existing user can enter their own username and password which was allocated by Admin. With the help of username and password, employee can login into the application. The required work list was allocated when the user signed in. If the employee is new one means using the sign in button to create a new employee list. The list consists of required fields that is to be added to the database. Admin create the user and password to every employees in an organization. This helps to login the application for the new employees.

B. NEW EMPLOYEE MODULE

The module consists of new employee details to create a new employee list. In order to complete the employee information, employee should fill the following data such as Once the detail is filled, that should be added to the database. The employee database was maintained by admin itself. The purpose of this module is to maintain the employee information for further requirements to the organization.

C. TIME AND ATTENDANCE

After login page user have to check in by capturing a picture and it will track and shows the time in and time out and also the available location. By using the Map view concept, the available location is tracked and viewed by user. It should help admin to track the employee activity and attendance. If the user is present , the present particular work is allocated by admin.

D. WORK COMPLETION MODULE

In this module, user can check the completion work along with text field. With help of the color , user can check the completed work. The completed and uncompleted work was varied by Red and green color text fields. If the user complete the work means the red color will be changed into green color in the text field. Remaining work filed was shown with red color Text field. Therefore we can easily find that user completed his work and also it helps to check the remaining work. At the end of the day work completion details are received to admin.

E. MAP VIEW MODULE

In map view can see the work that can be completed by the user. Admin will already set a longitude and latitude with the help of map view so that it can find the employee current location. A view which display a map. When focused it will capture key presses and also current location. In the activity, get the Map View object and call get Map Async on it passing On Map Ready Callback handler. And also you need to make sure that you call onCreate, onSaveInstanceState, onResume, onStart, onStop, onPause, onDestroy and onLowMemory methods on MapView objects are present..

IV.CONCLUSION

In this paper, we've implemented the new generation employee tracking system and system features to satisfy the firm requirements. It will provide easy online access to the workers that are currently at work and what they're performing on. The system will provide fast and authentic access to the running of the business saving the manager a whole lot of time and money By using this system it is possible for the manager to trace an employee within the organization and calculate the behavior of the Then Android based mobile application for Attendance Monitoring and Tracking is presented. It offers reliability, time saving and easy control & presence of the employee. Employee's can use their own Mobile phone for Attendance. This System helps the admin to stay track of the employee's who choose field work. So that GPS location of the worker is tracked and monitored, so employee won't be planning to add proxy attendance for increasing their salary.

V.FUTURE ENHANCEMENT

As a future enhancement, some additional employee could be implemented and integrated into the application code making it much more reliable and flexible for user especially what concerns tracking module, for instance. Apparently, the role of such systems is basic and important within each company that wants to keep a really good control and record concerning its personnel data. Every organization, in nowadays, has the necessity of managing its employee on a really good level as the employee has definitely the greatest merit of improving a company as such as it is. The well managed employee means giving the appropriate profit and all kind of benefits given to the company.

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