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| **An sms service that tells me when I need to start walking in order to catch a train from Tangil to Dhaka**  **------------------------------------------------------------------------**  **using Css ,Java Script,Html-5 & Jquery**  **Contents**  **Introduction----------------------------------------------------------------------------------------**  **Aim -----------------------------------------------------------------------------------------------------**  **Purpose -----------------------------------------------------------------------------------------------**  **Project Scope ----------------------------------------------------------------------------------------**  **Project Objective -----------------------------------------------------------------------------------**  **System Specification -------------------------------------------------------------------------------**  **Business Opportunities ----------------------------------------------------------------------------**  **Risk ----------------------------------------------------------------------------------------------------**  **Work Break Down Structure(WBS) ------------------------------------------------------------**  **Management -----------------------------------------------------------------------------------------**  **Limitation ------------------------------------------------------------------------------------------**  **Delivery Plans ---------------------------------------------------------------------------------------**  **Future Plan ------------------------------------------------------------------------------------------**  **Reference ---------------------------------------------------------------------------------------------** |

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| **Introduction**  In this project we have shown the notication service through which the user will get the information about railway station & also get the information about the train to catch the train.In this project the user can identify their location & also identify their desired destination path. In this project if the user only provide the starting & ending point from one railway staion to another,they will get the notification how times(minutes) are left to reach the station to cathch the train.  **Aim**  The aim of this project is to develop an application based on using Css ,Java Script,Html-5 & Jquery. Using the Google Map which provides the user location,their desired destination path & also provides the train location.The location of the train & user are shown on the server side & will also show the delays of train & then the delays of train are presented on the web page with the help of Google maps.  **Purpose**  The main purpose of this project is to provide an application which is user friendly and user can use the application anywhere in the world to find their location & also track the train using tracking device if possible without any difficulty. This will help the user who want to know their location & also want to know where the train is?In this application if we can use tracking device for tracking the train then it will be helpful for the user which will provide the user to know the speed of train,delays of train & exact location of the train.In this application using google map user can easily know the distance of their desired station & also be able in what time the train will reach the station.  **Project Scope**  The scope of the project is providing an application which is user friendly, reliable and helpful for the user to track user location,train location,delays of train etc.  **This application includes the following features**  1.Using Css ,Java Script,Html-5 & Jquery based system that can determine the distance between the user and the station is known.  2. Google map interface  3. Web interface administrator  **Determination of distance between the user and the station**    With the help of googlemaps with using Css ,Java Script,Html-5 & Jquery based application , the users current location can be identified appropriately. Collected information is then picked up and then sent to the server, station & train locations will be retrieved from the database to web page. ….  **Google Maps Interface**  A Google Maps based view will be displayed on the interface. It is the core of this application and basic map control functions are provided, such as zooming, panning and mode changing. Moreover the station & also user location is provided on the Google map…    **Web interface administrator**  We are going to create a web based database which will have the information of all the railway station from Tangail to Dhaka present.The running time of train ,railway station,user location & their desired destination are presented here.  **Project Objective**  **As we are using Css ,Java Script,Html-5 & Jquery as the main platform the main objectives are as follows:**  **Reliability**:  Since the calculation of the distance between the user and the railway station are calculated remotely and all the information will be used stored in the database for future uses.  **Availability:**  The system should be available all times, meaning the user can access it using a web browser, only restricted by the down time of the server. A customer friendly system which is in access of people around the world should work 24 hours. In case of a hardware failure or database corruption ,a replacement page will be shown. Also in case of hardware or database corruption, backup of the database should be retrieved from the server and saved by the Organizer. Then the service will be restarted. It means 24\*7 availability.  **User-Friendly**: As we are using the **Css ,Java Script,Html-5 & Jquery** platform which uses the windows operating system. It is highly secure; User can do multiple task with just flip of his finger. The website which we have created will provide all the train timing from Tangil to Dhaka and the location of the train & railway station.  **Adaptability**: As the user is using a very advanced technology whenever there is a new update is available the update is installed automatically.  **Accurate**: As we are using **Css ,Java Script,Html-5 & Jquery** in our project this will help the user to obtain the accurate distance between the user and railway station.  **Fault Density**: The occurrence of fault in providing the user is very less as every operation performed is done remote.  **Productivity**: As many users can access at a time. Problem might arise only if there is some fault at the server or the server is working slow.  **System Specifications:**  **Hardware Requirements:**  1.Windows 7,8,10  2. 2GB Ram  3. 500 GB Hard Disk  **Software Requirements:**   1. **Operating System :** Windows 7, 8, 10 2. **Software :** Google Chrome 3. **Programming language :** JavaScript,Jquery,Html-5,Css 4. **Web-Technology :** Html-5,Css Web Technology   **Business Opportunities**  There is a very good scope and business opportunity as we are the service provider for the entire user who accesses the service. Implementation of such application provides business with the mobile company as they are always in need of new and different application to attract the customer. New application or new feature implement makes the rise of sales in the market. We are using the latest technology in our application which is **Css ,Java Script,Html-5 & Jquery** platform the main feature is that it uses the windows operating system and it provide a very secure protection from the virus using windows defender as it does not allow any inaccessible (un-needed) program to enter into the application.The main advantage of this application is to find out the user location & their desired destination path which will be very helpful for the user.  **Risk**    **There are different types of Risk is present are as follows:**  **Group Member turnover**:  When a Group members turn over then the overall project gets difficult to complete as the task provided  to the concern person will be in pending and in order to complete that task we need to find the same skilled person to finished on time which is very difficult.  **Technology Change**  Every application or software has a specification in which it has to work before launching the product if the technology change then it’s a major loss.  **Competitive product**  We have many competitive products in the market available if our similar kind of application is launched with little changes or similar software by some other platform. It is like the proverb “First come and first serve”. In order to get hold of the market we need to be first.  **Financial Risk**  Once we start developing our software the cost for completing the product should complete as specified if it exceeds then it becomes a big risk.  **Work Breakdown Structure (WBS)**  **The time for the overall work we have split as**  **Java Program**---Server programming—20 hours  **Website Creation**---15 hours    **Software Architecture**---10 hours  **Software Specification**---5 hours  **Management**  **We need a system administrator who can handle all the important management work like**  **Fault management**:  We need that system administrator who uses windows as the operating system so that he can program and have alarm if there so some cable is removed, indicator if the server threshold level has increased(traffic level).  **Configuration Management**:  Manage the entire configuration of the network like cabling, upgrading the software used in the server and so on.  **Performance Management**:  We have to monitor the entire network and the performance level must be noted down. Providing accuracy is the main motto in our application. Here the main task of us to observe that all the opetarion are performed exactly  Like user location & their destination path,show all the station name & aslo show the notication to catch the train.  **Limitation**  **Here have some limitation are as follows:**  **Train Location:**  We have no tracking device that’s why we can not find out the exact location of the train,but here we have shown the starting & ending point of the user from this we will be able to find out the train..  **Sms Service**  Here we can not able to provide Sms service neither it we have shown the notication to catch the train…  **Android Platform**  We are not able to bulid android based applicaton, here we have used only Html5,Css,JavaScrpit,Jquery.  **Delivery Plans**  We will deliver a project that will provide a user friendly application which will help the user the location of the railway station, their destination path, their location and a web interface database. We will deliver the project soon.  **Future plan**  In our project we have only seen through the Google maps displaying the distance between the user and the railway station.    1. We are going to include a trackind device which can provide train arrive at that railway station with a sms feature and to get the train scheduling & timing.  2. A get off indicator which indicates when to get down out of the train if the alarm is start once we get into the train.  3. Counting the number of people getting in and getting out of the train though it is not possible which will provide the number of seats available in the train..  **References**  1) Mawlana Bhashani Science & Technology University  Department of Information & Communication Technology |