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**Department of Computer Science and Engineering**

**Web Data Management Group Project**

**Title: Who is coming to USA?**

Submitted By:

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**[Topic / Abstract]:** The purpose of this project is to find out a week ahead of the visit’s time who is visiting our country. We want to be prepared to receive our guest.

**[Project Name]:** USA visitor tracking System

**[Purpose / Reason / Description]:** The application will be designed to help US government to track the visitors who will enter US from any port of entries. The application shall be used primarily by the following users:

1. US Custom officials: To keep a track of all the visitors who shall be entering the country
2. Visitors: The travelers who are planning to enter the country

The application shall be having the following modules/functionality

1. Login: There shall be a login page which will be the authorization page for any user to access the application. The login of the user shall lead them to the respective pages: US custom officials view, or Visitors view. New users shall be able to sign up for the application from the Login page.
2. User Sign up: A new user shall be able to sign up for the application as a visitor.
   1. Travelers:
      1. Username
      2. Password
      3. Name
      4. Date of Birth
      5. Address in the country of origin
      6. Passport Details
      7. VISA details
3. Visitor Itinerary request form: This form shall be used by the visitors to submit the details of the literary planned during their stay in USA. This form has to be mandatorily submitted one week prior to the date of travel to US. The form shall have the following fields:
   * 1. Travel dates: From date and to date
     2. Port of Entry
     3. Local address and contact in USA
     4. Flight Details
     5. Purpose of Visit
4. Custom official visitor Tracking: This page shall be used by the customs officials to view the details of the travelers who will be entering USA at any given date and time. They shall also be able to generate different types of reports related to the travelers based on port of entry, visitors country of origin and class of admission.
5. Port of entry Details: User to fetch details of the different port of entries to US.
6. Contact Us page: A form for the user to submit a request to the admin with any questions. The user may also retrieve the contact information such as phone number, mailing address, email-id and fax number to contact the US customs department.

**[Accomplishments]:**  Based on the above requirement, we have to design the frontend and the backend for the complete working of the application, that can used by the US government to track the visitors who will enter US from any port of entries. We have completed the frontend web designing part of the for the Traveler side and the custom officer details pages using Bootstrap, HTML5, CSS3 and JavaScript as of now. Also, we have done the database setup with the initial assumption of the required schemas and database tables with determining the primary keys and the foreign keys with some initial values.

**[Deliverable]:** Our plan is that by the end of the semester, we will deliver a fully working web application that will help the custom official in US customs and border protection to track the visitors who will enter US from any port of entries, with various functionalities referred in the section purpose/reason/description point number 2 & 3.

**[Users]:** Primary user of the system will be the US custom officials and secondary users would be visitors/travelers coming to US, who have to supply their travel details prior to their travel date in order to travel successfully without any hiccups. We can also extend the project scope to other countries to make amendments to the code and customize according to their use and can perform safety check ins of the visitor to their nation.

**[Content]:** The main content of our data base will behaving the below tables:

* User details – Data for firstname, lastname, state, country, pincode, visanumber etc.
* Country – Data for countryid, country\_name
* State - Data for stated, state\_name, countryid
* City - Data for cityid, city\_name, stateid
* UserTravel - Data for poe, start\_date, end\_date, purpose, city, adddress1, address2, state, flightno etc.
* POE (Point of Entry) - Data for poeid, stated etc.

**[Summarize]:** This project i.e. the web application being prepared using HTML, JavaScript, CSS3, PHP, jQuery will be highly beneficial to US Govt. to track with detailed information of the visitor who will be visiting the country soon and can scrutinize to approve the VISA request and the project will also the help the visitors coming to states to enter their travel details 7 days prior to their travel so as to have a smooth commute and a happy journey.

* **URL structure that follow our navigation hierarchy has been attached in the folder as a pdf file.**
* **Export Schema sql file has been attached in the required Folder.**
* **ER Diagram is mentioned below:**

