Trips and Travel System

Problem Definition:

Remember those times when you had to search the newspapers and magazines to find out new vacation trips and journeys news to go. You always need to go to new places that you have not visited before with your friends. So we need a trip web application that allow you to find your best vacation trips to go that suits you and your friends and manage hotels, flights, buses, trains, etc. of the trip for you.

Actors (Three actors):

- Admin
- Trip agency
- Traveler

Layouts (Three layouts):

1. We need a web application (ASP.Net MVC) which collects all trips blogs in one platform written by different trip agencies and view these blogs to the travelers.
2. The web application includes 3 layouts
    - First layout: the travelers' layout and we will call it the **wall Layout** (all the trip posts exist there)
    - Second layout: The trip agency layout and we will call it the **factory Layout** (as the agency writes and edits trips posts in order to view it to the travelers)
    - Third Layout: The admin layout and we will call it the **dashboard Layout** (where admin can control trip agencies and their posts and also control travelers)

Actors Roles:

1. **Admin:**
    - Control all users (Travelers and Agencies): Admin can Add, Remove Users
    - Control the wall page: Admin can Add, Remove and Update trips posts in the wall page which are created by the agencies
    - Admin pages (in dashboard layout) **include**:
        a. Admin information (profile page): first name, last name, email, phone number, photo and user role (admin)

b. All the users that using the system so that the admin can control them.
c. All the posts that created by the agencies so that the admin can control them.
d. If the Admin remove a post from his profile it reflects directly to the wall page and be removed.
e. Admin Accept or Refuse Posts written by the Agencies before adding it to the Wall.
f. The admin must login first, to operate his job

2. Agency (consider agency as a person who writes trip posts):

- Write trip posts that will show in the wall page
- Agency pages (in factory layout) **include**:

a) Agency (**consider agency as a person**) information (profile): user name, first name, last name, email, phone number, photo, user role (Agency)
b) Agency can change (update) its information except its role
c) Password Not Showed but we need a button to allow Agency to Change its password
d) A Form that the Agency will use to write trip posts and add them to the Wall.
e) Trip Post contains: Agency Name, Trip Title, Trip details, Post Date, Trip Date, Trip Destination and Trip Image.
f) Admin Accept or Refuse Posts written by the agency before adding it to the Wall.
g) History that includes all trip Posts that have been added before by this agency in the Wall (mention date in each Post)
h) Agency san manage its Posts (Add, Edit, Delete).
i) Agency can answer travelers' questions.
j) The Agency (**consider agency as a person**) must login first, to operate his job

3. Travelers

- Login to interact with trip articles
- View (read only) all trip posts from different agencies (no need to login)
- Traveler pages (in wall layout) **include**:

a) All Posts that have been added by Agency from their Profiles
b) Each post (created by Agency) has: Agency Name, Trip Title, Trip details, Post Date, Trip Date, Trip Destination and Trip Image

c) Traveler can search for a job by Trip Price, Agency name, Trip Date.
d) Traveler can save a particular post in saved page (to read later)
e) Traveler can like or dislike the trip post (number of likes and dislikes will show in each post)
f) Traveler can Ask Questions and Agencies will answer (FAQ).

Important Notes:

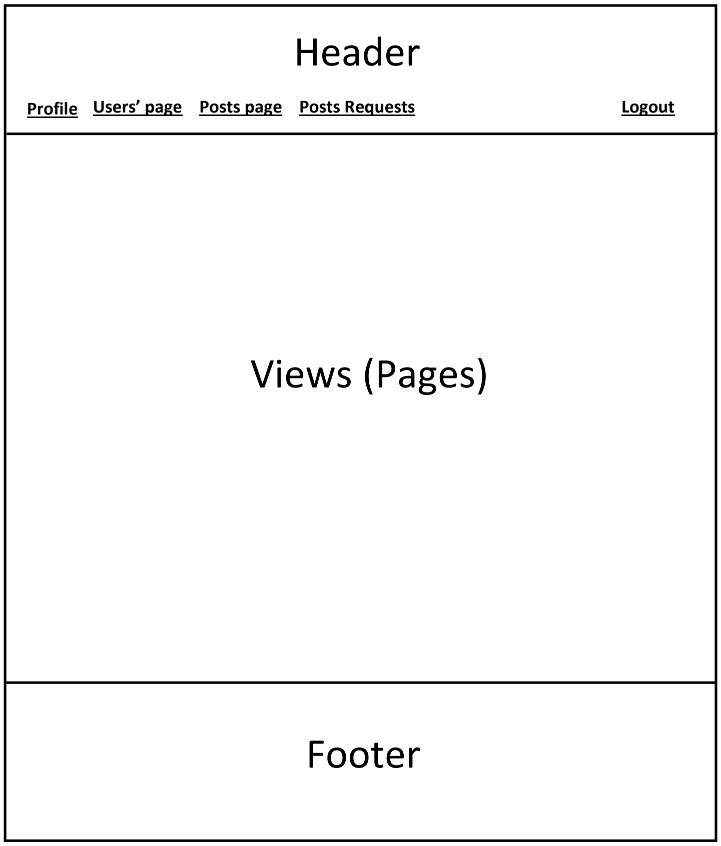
- You need to think and design your project relational database (tables, tables' columns and tables' relationships) and Print the Database Schema
- You have three layouts (Wall – Factory - Dashboard) and Many Views (Pages).
- Views Folder should include:
  Shared folder contains (WallLayout.cshtml, FactoryLayout.cshtml, DashboardLayout.cshtml)
- Create two Popups (modal):
  a. First Popup: For Login
  b. Second Popup: For Registration.
  - The Login popup appears when a button in the Wall layout is clicked.
  - The Registration popup appears when a button in the Wall layout is clicked.
  - If the traveler or the agency doesn't have an account then he will register.
  - Registration Information: first name, last name, username, email, phone number, photo, User role (traveler or agency). The role can't be updated later
  - You can add admin in the database manually and then you can login.
- Your app is responsive (Bootstrap is required for Grid system)

Layouts:

1- Dashboard Layout (Admin)

- Include these pages (as mentioned above):
  a. Admin profile page
  b. Users page (add or delete users (travelers and agencies))
  c. Posts page (delete or update posts which is already in the wall)
  d. Posts requests (accept or refuse to add new posts (created by the agencies) in the wall)

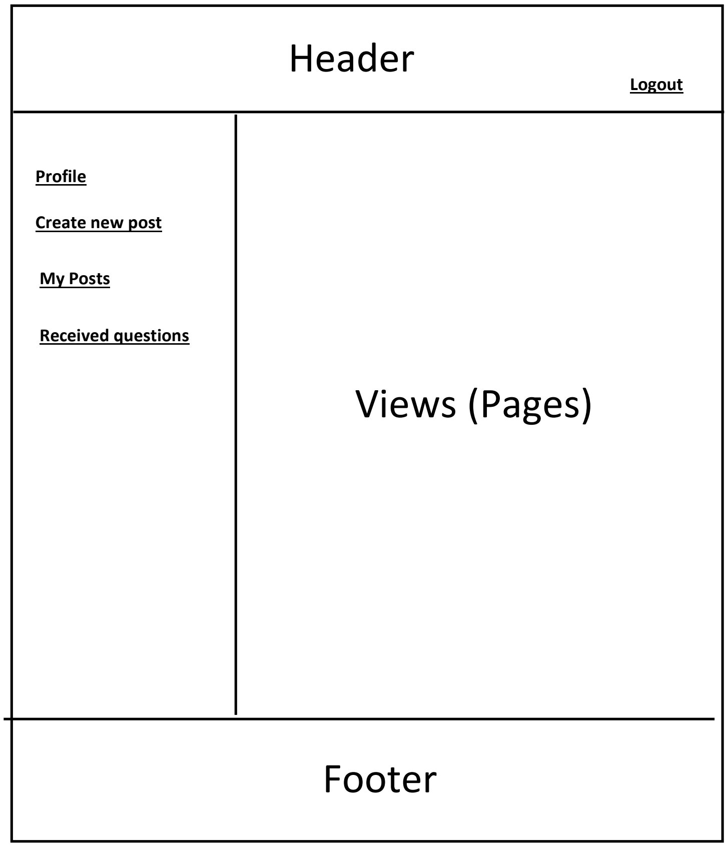
Dashboard Layout:



2- Factory Layout (Agency)

- Include these pages (as mentioned above):
  a. Agency profile page (profile information is changeable except the role)
  b. Create trip post page (to write trip posts)
  c. History page (contains posts created by this agency and can delete and edit these posts)
  d. Received questions (answer questions asked by the travelers for a certain article)

Factory Layout:



3- Wall Layout (Travelers)

- Include these pages (as mentioned above):

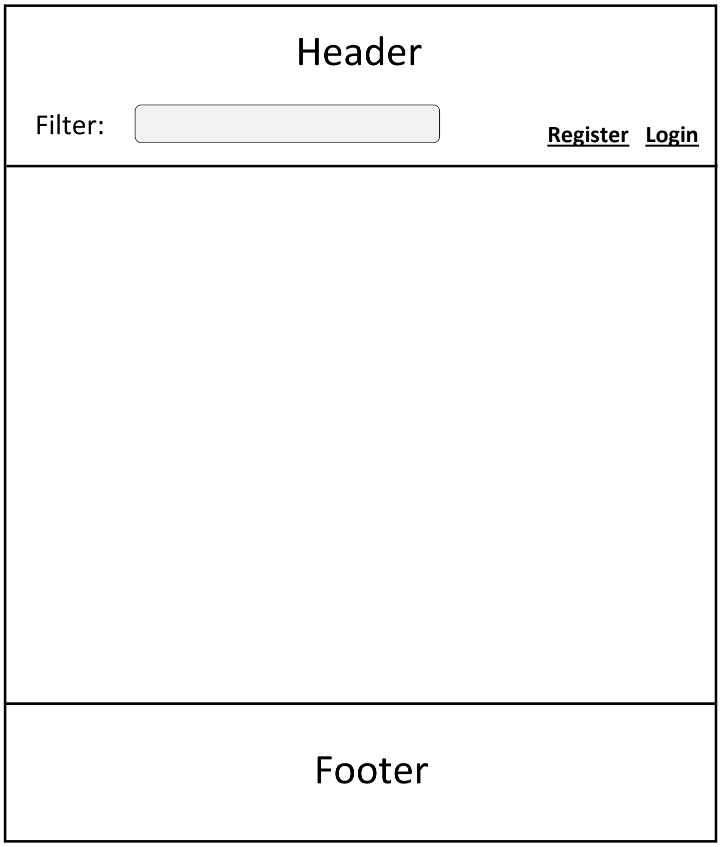
a. The wall page: which contains all the trip posts
You can view this page without logging (read only). Travelers functionality (as mentioned above) will be available after logging in.

b. The save page: Traveler saves job posts in it to read it later.

c. Traveler can search for a job by Trip price, Agency name or Trip Date (search in the layout)

d. Login and register forms are popups

Wall Layout:



Best Wishes