

## **Practice Assignment #1**

### **News Website**

Caption

- Brings you to aware around the World

A leading Newspaper company has taken a new initiative to launch a web application for collecting news and displaying them in a website. The company would like to name the application as “The BroadCast”. Design the web application for the company using Python flask Framework in the following steps.

1. Create a homepage for the app where the name of the app, the launch date, a brief description of the app.
2. Style the page using CSS.
3. Create a navigation bar in the Home Page with the following items :
  - a. Home
  - b. News
  - c. Contact usEach of these navigation bars should have a link to redirect to its own page ie,
  - Home – It will redirect to the home page
  - News – Will be redirected to News headlines page and Will display the news headlines in a structured format ( Lists/Bullet/Grid etc.)
  - Contact us – Will be redirected to contacts page. The contact details of the admin of the application.
4. Create a button in the news page “Add News”. The button will redirect the user to the Add news Page .
5. Create a Add news page with a form consisting of the following fields:
  - Headlines – A one-liner description of the incident.
  - Description – An elaborate description of the incident.
  - Author Name – The name of the author
  - News Category – The category of the news (General / Lifestyle / Travel / Sports etc.)

Note : Each page should have a styling which has to be done with one or more CSS. Maintain uniformity in the style sheets used.

### **Login functionality Vs Roles**

1. Guest User - Allowed only to view the News and contact the admin
2. Add news can be done by Normal user or Admin
3. Admin user only can be allowed for updating / Removing the news / headlines
4. There should be a registration functionality for any normal user to get registered in the website home page
5. Log file functionality to track the website accessed user details along with time and news addition / updation if any.
6. This log-in information can be maintained in a file for all users ( As we are not using DB due to the less course duration constraint ) , the file can be read only when the user logged in , is an admin.

### **Note:**

If time permits, you can extend the functionality towards

To view daywise news in combination with location

User wise news added

Day Vs User combination