Flask – Creating a Site
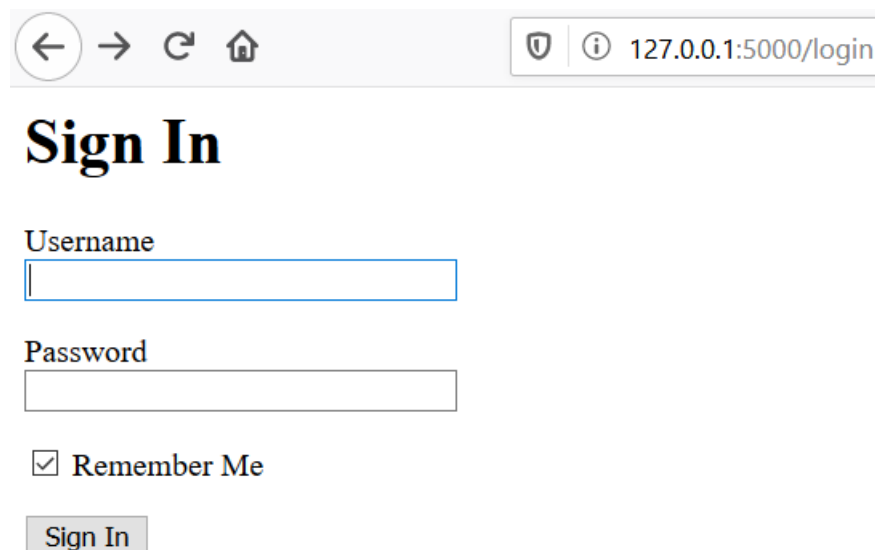
Review the slides from Week9 and Week10. You may download and modify the code given in class.

1. Create a new project "`news`" that displays world and local news to your users. Remember you have to create a new '`venv`', activate it for the project. Remember to install Flask inside the venv. Basically, follow all the initial steps of the code in week9

2. Create a route called '`home`'. This should call a template called '`home.html`' which inherits from a `base.html`.
   `home.html` should give a nice welcome message to the user.

3. In your news app, create a route called '`login`', which uses a template called `login.html` [you may use the login code given in the class, in week 10]. The "`login.html`" (looks like Figure 1) page is displayed where the user has to enter a Username and a Password to gain access.
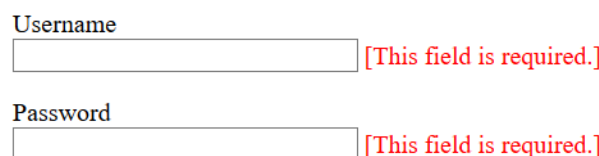

Figure 1

   a. If the user did not enter Username and Password an error message should be displayed in "`login.html`" page as follows

When the user enters Username and Password, the user should be directed to "`index.html`" (Figure 2) (You can enter any Username and Password)

4. Modify the base template so that it shows links to the login page.

5. Create a template called `"index.html"`, which has links to two other pages ("World News" and "Local News") as shown below.

Figure 2

6. Create two new URLs in `routes.py` called `'world'` and `'local'`. Clicking on the "World News" link above should call the `'world'` URL. Clicking on the "Local News" link should call the `'local'` URL

   a. "World News" should display the page `"world.html"` (Figure 3) and "Local News" should display the page `"local.html"` (Figure 4) when a user clicks on each.
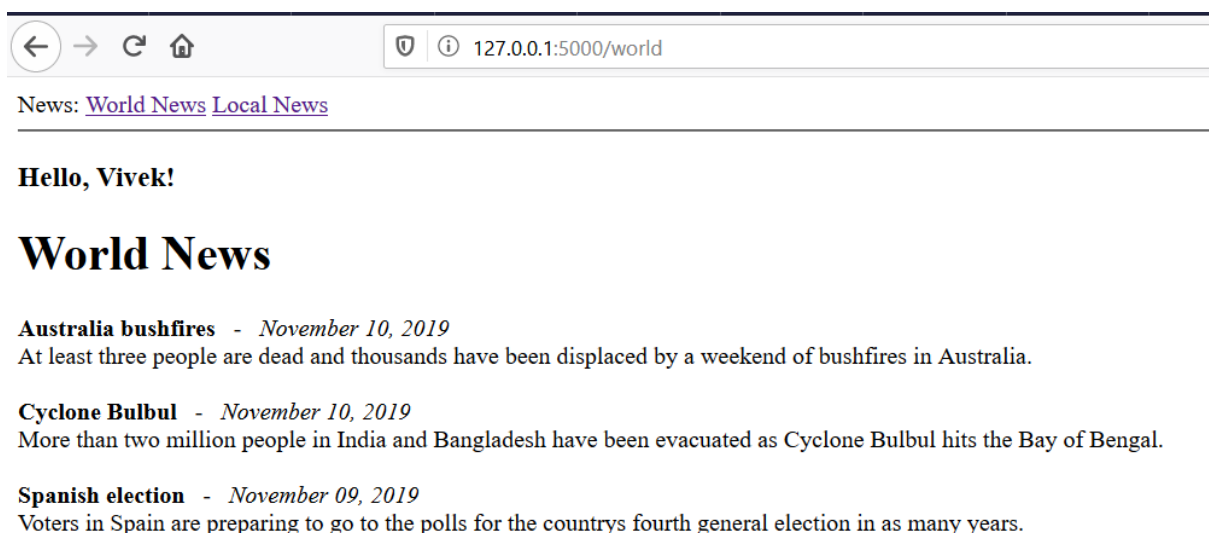

Figure 3

7. The templates for `world.html` and `local.html` should be extended from a new base template called "`stories.html`" where clicking on the link "`World News`" should display the page "`world.html`" and clicking on the link "`Local News`" should display the page "`local.html`", like Figure 3 & 4 [Notice the links before the <hr>]

8. The template "`world.html`" should iterate through three lists (title, date and summary) of strings and display them as shown in Figure 3

      title = {"Australia bushfires", "Cyclone Bulbul", "Spanish election"}

      date = {"November 10, 2019", "November 10, 2019", "November 09, 2019"}

      summary = {"At least three people are dead and thousands have been displaced by a weekend of bushfires in Australia.", "More than two million people in India and Bangladesh have been evacuated as Cyclone Bulbul hits the Bay of Bengal.", "Voters in Spain are preparing to go to the polls for the country's fourth general election in as many years."}

127.0.0.1:5000/local

News: World News Local News

Hello, Vivek!

Local News

China celebrates 70th National Day - *October 1, 2019*
China is celebrating the 70th anniversary of the Peoples Republic of China with a huge military parade in Beijing

Tourists can use WeChat for payments - *November 7, 2019*
Visitors to China can now use Alipay and WeChat Pay instead of cash or cardsVisitors to China can now use Alipay and WeChat Pay instead of cash or cards

Figure 4

9. The template "`local.html`" should iterate through three lists (title, date and summary) of strings and display them as shown in Figure 4. The data is given below:

      title = {"China celebrates 70th National Day", "Tourists can use WeChat for payments"}

      date = {"October 1, 2019", "November 7, 2019"}

      summary = {"China is celebrating the 70th anniversary of the People's Republic of China with a huge military parade in Beijing", "Visitors to China can now use Alipay and WeChat Pay instead of cash or cards"}