Master of Applied Computing
COMP-8347
Internet Applications and Distributed Systems

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# LAB 7 (Part 1) – Base Template and CSS

### A. Create dir for static files:

- Create a new dir *carapp/static*. Inside *carapp/static*, create a new dir called *carapp*. This is where your static files (e.g., css style sheets) will reside.

- Create a new file *style.css* in dir *carsite/carapp/static/carapp*.

- *style.css* should define default **background color**, default **text color**, and default **font size, color, style,** and **position** for **<h1>** tags. Also define the following class:

```
.hbar1 {
display: inline;
margin: 15px;
}
```

In addition, you can define more styles for the rest of the contents of your pages.

### B. Create base.html:

- Create a new file *base.html* in dir *carsite/carapp/templates/carapp*.

- Edit *base.html* as follows:

```
<!DOCTYPE html>
{% load static %}
<html>
<head>
    <link rel="stylesheet" type="text/css" href="{% static 'carapp/style.css'
%}"/>
    <title> CarSite - {% block title %} Welcome! {% endblock %}</title>
</head>
<body>
<div>
    <h1>{% block myhdg %} Welcome to our online car store {% endblock %}</h1>
    {% block body_block %}*** {% endblock %}
</div>
<hr />
<div>
    <ul>
        <li class="hbar1"><a href="http://127.0.0.1:8000/aboutus/"> Find out
about this site </a></li>
        <li class="hbar1"><a href = "{% url 'carapp:home'%}"> Click here to
return to the home page </a><br/></li>
    </ul>
```

```
</div>
</body>
```

## C. Edit home.html:

- Edit *home.html* as follows:

  {% extends 'carapp/base.html' %}

  **{% block body_block %}**
  **{% endblock %}**

- Inside the *body_block* block, include the contents of your *home.html* file from lab 6. Remove any duplicated urls from the home page.
- Repeat the above steps for *aboutus.html* and *cardetail.html* pages to extend these pages from *base.html*.

# LAB 7 (Part 2) – Updating Models and Introduction to Forms

**A.  Update the Vehicle model:**

- Edit *models.py*, add a new field with car features. The features are Cruise Control, Audio Interface, Airbags, Air Conditioning, Seat Heating, ParkAssist, Power Steering, Reversing Camera. and Auto Start/Stop.

- Run **makemigrations**, **sqlmigrate** and **migrate** to update the database.

**B.  Create new forms:**

- Create a new file *carapp/forms.py* and add the following two lines:

  **from django import forms**

  **from carapp.models import OrderVehicle**

- Create a new form class: **class OrderVehicleForm(forms.ModelForm):**

- **OrderVehicleForm** should be a form based on the **OrderVehicle** model. The form fields should include: *vehicle, buyer*, and *vehicles_ordered.*

- Set the widget for *buyer* field so that only one buyer can be selected from all listed buyers.

- Set the suitable label for the *vehicle_ordered* field.

- Create another form for users to contact us (here us means your group). This form can include fields like name, email ID, subject/reason for contacting us, message, and so on. This form will be rendered later from the views.

**C.  Create vehicles view:**

This view will send a list of vehicles in the database to *vehciles.html*. The template will display the list of the vehicles and also have a link (**url** */carapp/order*) to place a new order. You should also perform the following steps:

- Update *carapp*/*urls.py* so that going to **url** *carapp/vehicles/* will call the function **views.vehicles**.

- Create the template *vehciles.html* in *carapp/templates/carapp* dir. This template should display the list of available vehciles.

- Update *base.html* to add a link to **url** *carapp/vehciles/* in addition to the home and aboutus pages.

- Define another function orderhere(request) in your *views.py* file. When the user goes to url *carapp/orderhere*, it should display the following text: "**You can place your order here**." This view will be updated later. You should also update *carapp/urls.py* with the suitable url pattern.