

INT253 - CA1

Practical Report

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Code :

```
$ > django-admin startproject CA1
```

```
$ > django-admin startapp form
```

URLS.py

```
from django.urls import path
```

```
from . import views
```

```
urlpatterns = [
```

```
    path('', views.index, name='index'),
```

```
    path('userform/', views.userform, name='userform'),
```

```
]
```

Views.py

```
from django.shortcuts import render
import re
from django.http import HttpResponse
import logging

# Create your views here.

def index(request):
    return render(request, 'index.html')

def userform(request):
    logger = logging.getLogger(__name__)

    if request.method == 'POST':
        patient_name = request.POST.get('patient_name')
        age = request.POST.get('age')
        email = request.POST.get('email')
        phone = request.POST.get('phone')
        symptom = request.POST.get('symptoms')
        date = request.POST.get('appointmentdate')

        errors = []

        if not patient_name:
```

```
        errors.append("Patient name is required.")
    if not age.isdigit() or not (0 <= int(age) <= 120):
        errors.append("Age must be a valid integer between 0 and 120.")
    if not re.match(r"^[^@]+@^[^@]+\.[^@]+", email):
        errors.append("Email is not valid.")
    if not re.match(r"^\+?1?\d{9,15}$", phone):
        errors.append("Phone number is not valid.")
    if not symptom:
        errors.append("Symptom is required.")
    if not date:
        errors.append("Date is required.")

    if errors:
        return render(request, 'userform.html', {'errors': errors})

    logger.info(f"Patient Name: {patient_name}, Age: {age}, Email: {email}, Phone: {phone},
Symptom: {symptom}, Date: {date}")

    return HttpResponseRedirect("Success")

return render(request, 'userform.html')
```

Templates/userform.html

```
<!DOCTYPE html>

<html>

<head>

  <title>Medical Form</title>

</head>

<body>

  <h2>Medical Form</h2>

  {% if errors %}

    <div class="errors">

      <ul>

        {% for error in errors %}

          <li>{{ error }}</li>

        {% endfor %}

      </ul>

    </div>

  {% endif %}

  <form action="{% url 'userform' %}" method="post">

    {% csrf_token %}

    <label for="patient_name">Patient Name:</label>

    <input type="text" id="patient_name" name="patient_name" required><br><br>

    <label for="age">Age:</label>

    <input type="number" id="age" name="age" required><br><br>
```

<label for="email">Email:</label>

<input type="email" id="email" name="email" required>

<label for="phone">Phone:</label>

<input type="tel" id="phone" name="phone" required>

<label for="gender">Gender:</label>

<select id="gender" name="gender" required>

<option value="male">Male</option>

<option value="female">Female</option>

<option value="other">Other</option>

</select>

<label for="symptoms">Symptoms:</label>

<textarea id="symptoms" name="symptoms" required></textarea>

<label for="appointmentdate">Appointment Date:</label>

<input type="date" id="appointmentdate" name="appointmentdate"
required>

<button type="submit">Submit</button>

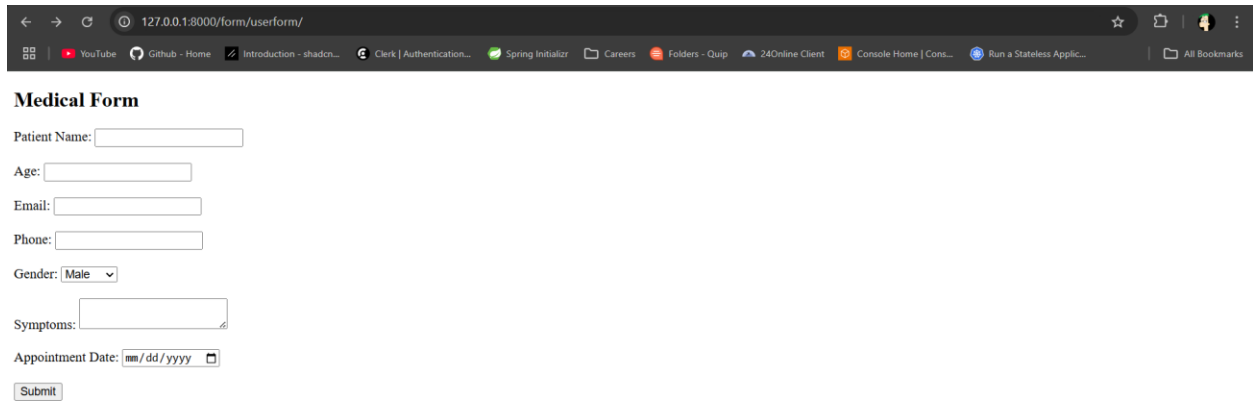
</form>

</body>

</html>

ScreenShot

Initial Form



The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/form/userform/". The browser's bookmark bar is visible, containing links to YouTube, Github, Home, Introduction - shadow..., Clerk | Authentication..., Spring Initializr, Careers, Folders - Quip, 24Online Client, Console Home | Cons..., Run a Stateless Applic..., and All Bookmarks.

Medical Form

Patient Name:

Age:

Email:

Phone:

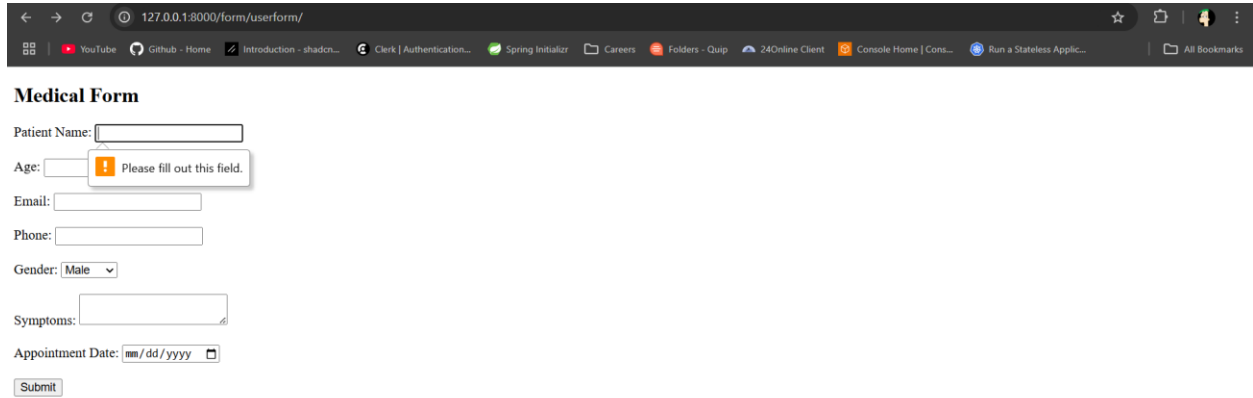
Gender:

Symptoms:

Appointment Date:

Validation :

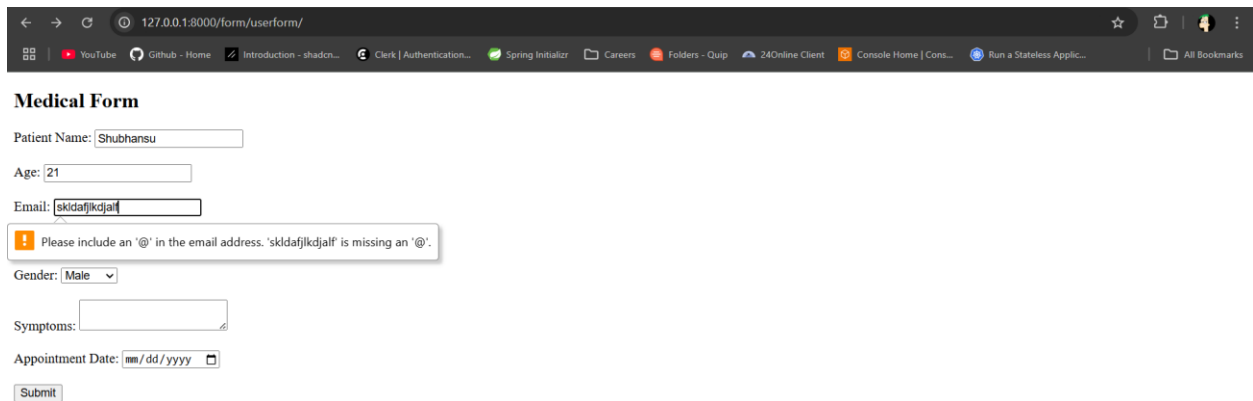
1. Empty field check



The screenshot shows a web browser window with the address bar displaying '127.0.0.1:8000/form/userform/'. The browser's bookmark bar includes links to YouTube, Github - Home, Introduction - shadow..., Clerk | Authentication..., Spring Initializ..., Careers, Folders - Quip, 24Online Client, Console Home | Cons..., Run a Stateless Applic..., and All Bookmarks. The page title is 'Medical Form'. The form contains the following fields and controls:

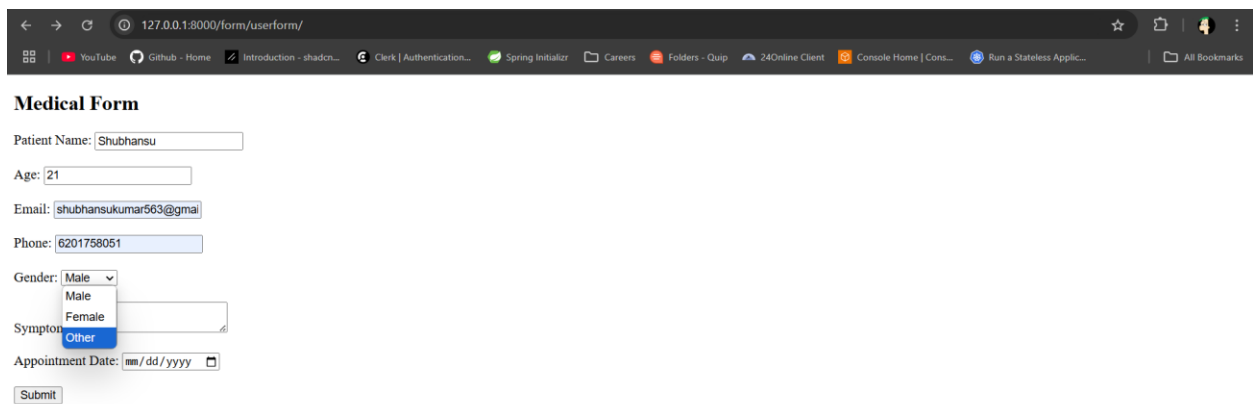
- Patient Name:
- Age: (Validation message: Please fill out this field.)
- Email:
- Phone:
- Gender:
- Symptoms:
- Appointment Date:
- Submit:

2. Email Verification



The screenshot shows the same web browser window as above, but the 'Email' field now contains the text 'skldafjkdjalf'. The validation message below the field reads: 'Please include an '@' in the email address. 'skldafjkdjalf' is missing an '@'.' The other fields and controls remain the same as in the previous screenshot.

3. Radio selection for gender



The screenshot shows a web browser window with the address bar displaying '127.0.0.1:8000/form/userform/'. The browser's bookmark bar includes links to YouTube, Github - Home, Introduction - shadow..., Clerk | Authentication..., Spring Initializ..., Careers, Folders - Quip, 24Online Client, Console Home | Cons..., Run a Stateless Applic..., and All Bookmarks. The page content is titled 'Medical Form' and contains the following fields:

- Patient Name:
- Age:
- Email:
- Phone:
- Gender: (dropdown menu is open showing options: Male, Female, Other)
- Symptom:
- Appointment Date: (calendar icon)
-

4. Valid Date picker

← → ↻ 127.0.0.1:8000/form/userform/

YouTube Github - Home Introduction - shadcn... Clerk | Authentication... Spring Initializr

Medical Form

Patient Name:

Age:

Email:

Phone:

Gender:

Symptoms:

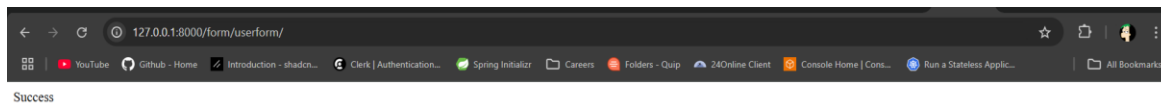
Appointment Date:

March 2025

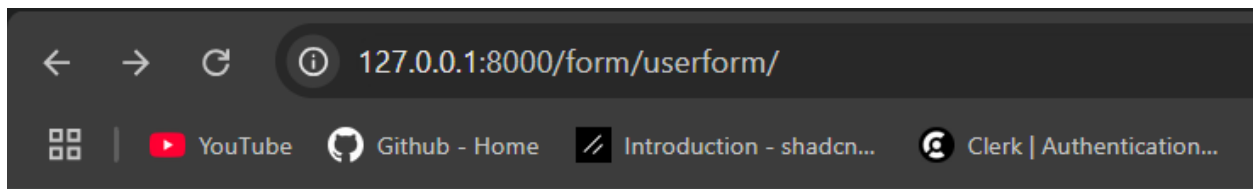
Su	Mo	Tu	We	Th	Fr	Sa
23	24	25	26	27	28	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

Clear Today

Valid submission : Shows success page



Invalid phone number submission : put less than 10 digit




Medical Form

Patient Name:


Age:

Email:

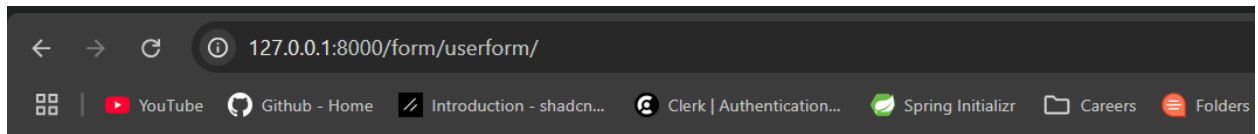
Phone:

Gender: 

Symptoms:

Appointment Date: 

Error displayed on top



Medical Form


- Phone number is not valid.

Patient Name:


Age:

Email:

Phone:

Gender: 

Symptoms:

Appointment Date: 

All validation are working and screen shots attached.