

```

{
  "nbformat": 4,
  "nbformat_minor": 0,
  "metadata": {
    "colab": {
      "provenance": []
    },
    "kernelspec": {
      "name": "python3",
      "display_name": "Python 3"
    },
    "language_info": {
      "name": "python"
    }
  },
  "cells": [
    {
      "cell_type": "code",
      "execution_count": 1,
      "metadata": {
        "colab": {
          "base_uri": "https://localhost:8080/"
        },
        "id": "R9zhD9bTfi8L",
        "outputId": "1a5ec8e7-fb9d-4643-caa7-935f5c217fee"
      },
      "outputs": [
        {
          "output_type": "stream",
          "name": "stdout",
          "text": [
            "Requirement already satisfied: flask in\n/usr/local/lib/python3.12/dist-packages (3.1.3)\n",
            "Collecting flask_sqlalchemy\n",
            "  Downloading flask_sqlalchemy-3.1.1-py3-none-any.whl.metadata (3.4 kB)\n",
            "Collecting flask_login\n",
            "  Downloading Flask_Login-0.6.3-py3-none-any.whl.metadata (5.8 kB)\n",
            "Collecting pyngrok\n",
            "  Downloading pyngrok-7.5.0-py3-none-any.whl.metadata (8.1 kB)\n",
            "Requirement already satisfied: blinker>=1.9.0 in\n/usr/local/lib/python3.12/dist-packages (from flask) (1.9.0)\n",
            "Requirement already satisfied: click>=8.1.3 in\n/usr/local/lib/python3.12/dist-packages (from flask) (8.3.1)\n",
            "Requirement already satisfied: itsdangerous>=2.2.0 in\n/usr/local/lib/python3.12/dist-packages (from flask) (2.2.0)\n",
            "Requirement already satisfied: jinja2>=3.1.2 in\n/usr/local/lib/python3.12/dist-packages (from flask) (3.1.6)\n",
            "Requirement already satisfied: markupsafe>=2.1.1 in\n/usr/local/lib/python3.12/dist-packages (from flask) (3.0.3)\n",
            "Requirement already satisfied: werkzeug>=3.1.0 in\n/usr/local/lib/python3.12/dist-packages (from flask) (3.1.6)\n",
            "Requirement already satisfied: sqlalchemy>=2.0.16 in\n/usr/local/lib/python3.12/dist-packages (from flask_sqlalchemy)\n(2.0.47)\n",

```

```

        "Requirement already satisfied: PyYAML>=5.1 in
/usr/local/lib/python3.12/dist-packages (from pyngrok) (6.0.3)\n",
        "Requirement already satisfied: greenlet>=1 in
/usr/local/lib/python3.12/dist-packages (from sqlalchemy>=2.0.16-
>flask_sqlalchemy) (3.3.2)\n",
        "Requirement already satisfied: typing-extensions>=4.6.0 in
/usr/local/lib/python3.12/dist-packages (from sqlalchemy>=2.0.16-
>flask_sqlalchemy) (4.15.0)\n",
        "Downloading flask_sqlalchemy-3.1.1-py3-none-any.whl (25
kB)\n",
        "Downloading Flask_Login-0.6.3-py3-none-any.whl (17 kB)\n",
        "Downloading pyngrok-7.5.0-py3-none-any.whl (24 kB)\n",
        "Installing collected packages: pyngrok, flask_sqlalchemy,
flask_login\n",
        "Successfully installed flask_login-0.6.3 flask_sqlalchemy-
3.1.1 pyngrok-7.5.0\n"

```

```

    ]
  },
  "source": [
    "!pip install flask flask_sqlalchemy flask_login pyngrok"
  ],
},
{
  "cell_type": "code",
  "source": [
    "%writefile app.py"
  ],
  "metadata": {
    "colab": {
      "base_uri": "https://localhost:8080/"
    },
    "id": "EqU6acCMfwd5",
    "outputId": "30e0abb8-0da7-47eb-af89-cce373619ca2"
  },
  "execution_count": 2,
  "outputs": [
    {
      "output_type": "stream",
      "name": "stdout",
      "text": [
        "Writing app.py\n"
      ]
    }
  ]
},
{
  "cell_type": "code",
  "source": [
    "<h2>Add Doctor</h2>\n",
    "\n",
    "<form method=\"post\">\n",
    "  <input name=\"name\" placeholder=\"Doctor Name\"
required><br>\n",
    "  <input name=\"username\" placeholder=\"Username\"
required><br>\n",
    "  <input name=\"password\" placeholder=\"Password\"
required><br>\n",

```

```

        " <input name=\"specialization\"
placeholder=\"Specialization\"><br>\n",
        "\n",
        " <select name=\"status\">\n",
        "     <option>Active</option>\n",
        "     <option>Inactive</option>\n",
        " </select><br>\n",
        "\n",
        " <button type=\"submit\">Add Doctor</button>\n",
        "</form>"
    ],
    "metadata": {
        "colab": {
            "base_uri": "https://localhost:8080/",
            "height": 463
        },
        "id": "qbYeKrEsf5ZS",
        "outputId": "f9f0d8de-c109-408a-e9f2-90f2f0ae481f"
    },
    "execution_count": 3,
    "outputs": [
        {
            "output_type": "stream",
            "name": "stdout",
            "text": []
        },
        {
            "output_type": "stream",
            "name": "stderr",
            "text": [
                "ERROR:pyngrok.process.ngrok:t=2026-02-27T05:08:07+0000
lvl=error msg=\"failed to reconnect session\" obj=tunnels.session
err=\"authentication failed: Usage of ngrok requires a verified account
and authtoken.\\n\\nSign up for an account:
https://dashboard.ngrok.com/signup\\nInstall your authtoken:
https://dashboard.ngrok.com/get-started/your-
authtoken\\r\\n\\r\\nERR_NGROK_4018\\r\\n\\n\"\\n",
                "ERROR:pyngrok.process.ngrok:t=2026-02-27T05:08:07+0000
lvl=error msg=\"session closing\" obj=tunnels.session err=\"authentication
failed: Usage of ngrok requires a verified account and
authtoken.\\n\\nSign up for an account:
https://dashboard.ngrok.com/signup\\nInstall your authtoken:
https://dashboard.ngrok.com/get-started/your-
authtoken\\r\\n\\r\\nERR_NGROK_4018\\r\\n\\n\"\\n",
                "ERROR:pyngrok.process.ngrok:t=2026-02-27T05:08:07+0000
lvl=error msg=\"terminating with error\" obj=app err=\"authentication
failed: Usage of ngrok requires a verified account and
authtoken.\\n\\nSign up for an account:
https://dashboard.ngrok.com/signup\\nInstall your authtoken:
https://dashboard.ngrok.com/get-started/your-
authtoken\\r\\n\\r\\nERR_NGROK_4018\\r\\n\\n\"\\n",
                "CRITICAL:pyngrok.process.ngrok:t=2026-02-27T05:08:07+0000
lvl=crit msg=\"command failed\" err=\"authentication failed: Usage of
ngrok requires a verified account and authtoken.\\n\\nSign up for an
account: https://dashboard.ngrok.com/signup\\nInstall your authtoken:
https://dashboard.ngrok.com/get-started/your-
authtoken\\r\\n\\r\\nERR_NGROK_4018\\r\\n\\n\"\\n"
            ]
        }
    ]

```

[illegible]

[illegible]

```

"        {% if messages %}\n",
"        {% for message in messages %}\n",
"            <div class=\"flash\">{{ message }}</div>\n",
"        {% endfor %}\n",
"        {% endif %}\n",
"    {% endwith %}\n",
"\n",
"    <form method=\"POST\">\n",
"\n",
"        <label>Name</label>\n",
"        <input type=\"text\" name=\"name\" value=\"{{ doctor.name
}}\" required>\n",
"\n",
"        <label>Username</label>\n",
"        <input type=\"text\" name=\"username\" value=\"{{
doctor.username }}\" required>\n",
"\n",
"        <label>Specialization</label>\n",
"        <input type=\"text\" name=\"specialization\" value=\"{{
doctor.specialization }}\" required>\n",
"\n",
"        <label>Status</label>\n",
"        <select name=\"status\">\n",
"            <option value=\"Active\" {% if doctor.status == 'Active'
}%>selected{% endif %}>\n",
"                Active\n",
"            </option>\n",
"            <option value=\"Inactive\" {% if doctor.status ==
'Inactive' %}>selected{% endif %}>\n",
"                Inactive\n",
"            </option>\n",
"        </select>\n",
"\n",
"        <label>New Password (optional)</label>\n",
"        <input type=\"password\" name=\"password\">\n",
"\n",
"        <button type=\"submit\" class=\"btn-primary\">\n",
"            Update Doctor\n",
"        </button>\n",
"\n",
"    </form>\n",
"\n",
"    </div>\n",
"</div>\n",
"\n",
"{% endblock %}\n"
],
"metadata": {
    "id": "658mWvCRjkOI"
},
"execution_count": null,
"outputs": []
},
{
    "cell_type": "code",
    "source": [
        "{% extends \"base.html\" %}\n",
        "{% block content %}\n",

```

```

"\n",
"<div class=\"auth-page\">\n",
"    <div class=\"auth-wrapper\">\n",
"\n",
"        <div class=\"auth-brand\">\n",
"            <h1>Admin Console</h1>\n",
"            <p>\n",
"                Manage hospital operations, staff, system
settings,\n",
"                    and monitor platform activity securely.\n",
"            </p>\n",
"        </div>\n",
"\n",
"        <div class=\"auth-card\">\n",
"            <h2>Admin Login</h2>\n",
"\n",
"            {% with messages = get_flashed_messages() %}\n",
"            {% if messages %}\n",
"                {% for message in messages %}\n",
"                    <div class=\"flash\">{{ message }}</div>\n",
"                {% endfor %}\n",
"            {% endif %}\n",
"            {% endwith %}\n",
"\n",
"            <form method=\"POST\">\n",
"                <label>Username</label>\n",
"                <input type=\"text\" name=\"username\"
required>\n",
"\n",
"                <label>Password</label>\n",
"                <input type=\"password\" name=\"password\"
required>\n",
"\n",
"                <button type=\"submit\" class=\"btn-
primary\">Login</button>\n",
"            </form>\n",
"        </div>\n",
"    </div>\n",
"    {% endblock %}"
],
"metadata": {
    "id": "TTWl_bIGjnm5"
},
"execution_count": null,
"outputs": []
},
{
    "cell_type": "code",
    "source": [
        "{% extends \"base.html\" %}\n",
        "{% block content %}\n",
        "\n",
        "<div class=\"auth-page\">\n",
        "\n",
        "    <div class=\"auth-wrapper\">\n",

```

```

        "\n",
        "        <!-- LEFT BRAND SECTION -->\n",
        "        <div class=\"auth-brand\">\n",
        "            <h1>Patient Care Portal</h1>\n",
        "            <p>\n",
        "                Secure access to your medical records,
prescriptions,\n",
        "                and doctor consultations – all in one place.\n",
        "            </p>\n",
        "        </div>\n",
        "\n",
        "        <!-- RIGHT LOGIN CARD -->\n",
        "        <div class=\"auth-card\">\n",
        "            <h2>Patient Login</h2>\n",
        "\n",
        "            {% with messages = get_flashed_messages() %}\n",
        "            {% if messages %}\n",
        "                {% for message in messages %}\n",
        "                <div class=\"flash\">{{ message }}</div>\n",
        "                {% endfor %}\n",
        "            {% endif %}\n",
        "            {% endwith %}\n",
        "\n",
        "            <form method=\"POST\">\n",
        "                <label>Username</label>\n",
        "                <input type=\"text\" name=\"username\"
required>\n",
        "                \n",
        "                <label>Password</label>\n",
        "                <input type=\"password\" name=\"password\"
required>\n",
        "                \n",
        "                <button type=\"submit\" class=\"btn-
primary\">Login</button>\n",
        "            </form>\n",
        "\n",
        "            <p class=\"auth-footer\">\n",
        "                New patient?\n",
        "                <a href=\"{{ url_for('register_patient')
}}\">Create an account</a>\n",
        "            </p>\n",
        "        </div>\n",
        "\n",
        "    </div>\n",
        "\n",
        "{% endblock %}\n"
    ],
    "metadata": {
        "id": "FIrq6dUSjqZ-"
    },
    "execution_count": null,
    "outputs": []
},
{
    "cell_type": "code",
    "source": [

```



```

    "{% extends \"base.html\" %}\n",
    "{% block content %}\n",
    "\n",
    "<div class=\"auth-page\">\n",
    "    <div class=\"auth-wrapper\">\n",
    "\n",
    "        <div class=\"auth-brand\">\n",
    "            <h1>Pharmacy Portal</h1>\n",
    "            <p>\n",
    "                View prescriptions, manage medicine
inventory,\n",
    "                and ensure timely fulfillment.\n",
    "            </p>\n",
    "        </div>\n",
    "\n",
    "        <div class=\"auth-card\">\n",
    "            <h2>Pharmacy Login</h2>\n",
    "\n",
    "            {% with messages = get_flashed_messages() %}\n",
    "            {% if messages %}\n",
    "                {% for message in messages %}\n",
    "                    <div class=\"flash\">{{ message }}</div>\n",
    "                {% endfor %}\n",
    "            {% endif %}\n",
    "            {% endwith %}\n",
    "\n",
    "            <form method=\"POST\">\n",
    "                <label>Username</label>\n",
    "                <input type=\"text\" name=\"username\"
required>\n",
    "\n",
    "                <label>Password</label>\n",
    "                <input type=\"password\" name=\"password\"
required>\n",
    "\n",
    "                <button type=\"submit\" class=\"btn-
primary\">Login</button>\n",
    "            </form>\n",
    "        </div>\n",
    "    </div>\n",
    "\n",
    "{% endblock %}"
],
"metadata": {
    "id": "sIYfoAZAjbvCy"
},
"execution_count": null,
"outputs": []
},
{
    "cell_type": "code",
    "source": [
        "{% extends \"base.html\" %}\n",
        "{% block content %}\n",
        "\n",
        "<h2>Patient Dashboard</h2>\n",

```

```

"\n",
"<h3>Your Prescriptions</h3>\n",
"\n",
"<table border=\"1\" cellpadding=\"10\">\n",
"<tr>\n",
"    <th>Medicine</th>\n",
"    <th>Dosage</th>\n",
"    <th>Notes</th>\n",
"</tr>\n",
"\n",
"{% for pres in prescriptions %}\n",
"<tr>\n",
"    <td>{{ pres.medicine }}</td>\n",
"    <td>{{ pres.dosage }}</td>\n",
"    <td>{{ pres.notes }}</td>\n",
"</tr>\n",
"{% else %}\n",
"<tr>\n",
"    <td colspan=\"3\">No prescriptions found</td>\n",
"</tr>\n",
"{% endfor %}\n",
"</table>\n",
"\n",
"<hr>\n",
"\n",
"<h3>Chat With Doctors</h3>\n",
"\n",
"{% for doctor in doctors %}\n",
"    <a href=\"{{ url_for('chat', doctor_id=doctor.id) }}\">\n",
"        <button>Chat with Dr. {{ doctor.name }}</button>\n",
"    </a>\n",
"    <br><br>\n",
"{% endfor %}\n",
"\n",
"{% endblock %}"
],
"metadata": {
    "id": "lYBkfybRjlgY"
},
"execution_count": null,
"outputs": []
}
]
}

```