**School of Computing**

**ST1505 DEVOPS AND AUTOMATION FOR AI**

**Practical 4 Submission**

**Diagram

Description automatically generated**

**INSTRUCTIONS**

* This is an individual work.
* Save this template and rename it using the following format: ST1505\_Practical4\_2B0X\_Name.docx

Replacing: X – with your class, eg. 2B01, Name – your name.

* Provide the screenshots requested in the various sections. Please make sure the screenshots are visible. Screenshots that are of poor visibility will not be considered.
* Submit this document in Brightspace under Submission section by the stipulated submission date. Do not submit it in ZIP format.

Please fill in the information:

|  |  |
| --- | --- |
| **Name:** | **Kenneth Chen** |
| **Class:** | **DAAA2B04** |
| **Admission No:** | **2100072** |
| **Date of Submission:** | **11/11/2022** |

1. **Agile Scrum Board (Gitlab Issue Board)**

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| a) Screenshot your Scrum Board in GitLab and paste it inside this box. |

1. **Repository**

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| a) Screenshot the Overview of Active Branches in GitLab and paste inside this box. (Location: your project in Gitlab | Repository (left panel) | Branches | Overview tab) |

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| b) Screenshot and paste the output of “git lg” command from Visual Studio Code Bash Terminal inside this box. |

1. **Evidence of Completed Works**

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| a) Provide the screenshot of your web application with this URL <http://127.0.0.1:5000/> . Remember to start-up the backend Flask component. |

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| b) Provide the screenshot of your front end web application using this URL <http://127.0.0.1:5000/> , and click on the Predict button without entering any data into the form fields. |
| c) Enter the following data and click on the Predict button. Screenshot the output of the web application and paste here. Note that the prediction history table should contain one record.   * Sepal length: 6.4, Sepal width: 3.2, Petal length: 4.5, Petal width: 1.5 |

1. **Improvements**

4.1 Can you change the Predict button to a different color? Please provide the code snippet where you made the changes and the screenshot of your web application after the changes have been implemented.

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| **Changes are highlighted in yellow!**  **Changes are made in the file index.html**  {% extends "layout.html" %}  {% block content %}  <div class="row">  <div class="col-md-6 offset-md-3">  <form name="frmPredict" action="/predict" method="post" novalidate>  <fieldset class="form-group">  <legend>{{title}}</legend>  {{ form.hidden\_tag() }}  <p>  {{ form.sepal\_l.label }}<br>  {{ form.sepal\_l(class\_='form-control') }}  {% for error in form.sepal\_l.errors %}  <span class="error-message">{{ error }}</span>  {% endfor %}  </p>  <p>  {{ form.sepal\_w.label }}<br>  {{ form.sepal\_w(class\_='form-control') }}  {% for error in form.sepal\_w.errors %}  <span class="error-message">{{ error }}</span>  {% endfor %}  </p>  <p>  {{ form.petal\_l.label }}<br>  {{ form.petal\_l(class\_='form-control') }}  {% for error in form.petal\_l.errors %}  <span class="error-message">{{ error }}</span>  {% endfor %}  </p>  <p>  {{ form.petal\_w.label }}<br>  {{ form.petal\_w(class\_='form-control') }}  {% for error in form.petal\_w.errors %}  <span class="error-message">{{ error }}</span>  {% endfor %}  </p>  <p>  {{ form.submit(class\_='form-control bg-primary') }}  </p>  </fieldset>  </form>  </div>  </div>  {% endblock %} |

4.2 Can you change the placement of the success or error message (located just below the navigation menu) from left align to center align? Please provide the code snippet where you made the changes and the screenshot of your web application after the changes are implemented.

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| **Changes are highlighted in yellow!**  **Changes are made in the file layout.html**  <!DOCTYPE html>  <html>  <head>  <title>{{title}}</title>  <link rel="stylesheet"  href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.c  ss" integrity="sha384-  Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"  crossorigin="anonymous">  <link rel="stylesheet"  href="{{ url\_for('static',filename='css/main.css')}}" />  </head>  <body>  <div class="container-fluid text-center top-container">  <img src=  "{{ url\_for('static',filename='images/logo.png')}}">  </div>  <div class="container">  {% include "includes/nav.html" %}  {% with messages = get\_flashed\_messages(with\_categories=true)%}  {% if messages %}  {% for category, message in messages %}  <div class="alert alert-{{category}} text-center">  <p>{{ message }}</p>  </div>  {% endfor %}  {% endif %}  {% endwith %}  {% block content %}  {% endblock %}  </div>  {% include "includes/footer.html" %}  </body>  </html> |