**IS439 – Web Development Using Application Frameworks**
**Instructor: Kevin Trainor**
**Assignment: Final Project**
**Course Component: Final Project**
**Grading Rubric**

## Submission

### Timeliness (10 available points)

| Requirements |
|---|
| Must be submitted by date and time indicated in the weekly schedule. |

| Percent Credit | Description |
|---|---|
| 100 | On Time |
| 50 | Up to 3 days late |
| 0 | More than 3 and up to 7 days late |
| 0 | Not submitted or submitted too late |

### Physical Submission (10 available points)

| Requirements |
|---|
| One (and only one) submission should be made to the Canvas submission activity.. |
| The file submitted must be a ZIP file that contains a proper PyCharm Django project. |
| File and directory names must conform to the conventions described in the instructions document. |

| Percent Credit | Description |
|---|---|
| 100 | Meets all expectations. |
| 50 | Meets nearly all expectations. |
| 0 | Does not meet expectations. |
| 0 | Not submitted or submitted too late. |

**Suitability of Submission for Grading (10 available points)**

| Requirements |
|---|
| Project must be suitable to be run by the grader as submitted. |

| Percent Credit | Description |
|---|---|
| 100 | Project is suitable for running and grading as first submitted. |
| 50 | Project must be resubmitted in order to be suitable for running and grading. |
| 0 | Despite resubmissions, the project is not suitable for running and grading. |
| 0 | The project was not submitted or was submitted too late. |

# Exercise 1 - Django Application (Required)

**Project Size (20 available content points)**

| Requirements |
|---|
| Application has a Django Function Point score of 44 or greater. |

| Percent Credit | Description |
|---|---|
| 100 | Meets all expectations. |
| 90 | Meets nearly all expectations. |
| 75 | Meets most expectations. |
| 50 | Meets some expectations. |
| 25 | Meets few expectations. |
| 10 | Meets nearly no expectations. |
| 0 | Meets no expectations. |
| 0 | Not submitted or submitted too late. |

**Other Measures of Completeness (20 available content points)**

| Requirements |
|---|
| The project submitted must include a README.PDF document that conforms to the assignment instructions. |
| If an alternate virtual environment has be pre-approved, a requirements.txt file must be provided from which we can build a virtual environment to test your project. |
| Application demonstrates use of the Django models feature. |
| Application demonstrates use of the Django URL configuration feature. |
| Application demonstrates use of Django views features including class-based views and generic class-based views. |
| Application demonstrates use of Django templates feature. |
| Application demonstrates significant use of database add/change/delete functionality. |
| Application demonstrates use of appropriate Django authentication and permission features. |

| Percent Credit | Description |
|---|---|
| 100 | Meets all expectations. |
| 90 | Meets nearly all expectations. |
| 75 | Meets most expectations. |
| 50 | Meets some expectations. |
| 25 | Meets few expectations. |
| 10 | Meets nearly no expectations. |
| 0 | Meets no expectations. |
| 0 | Not submitted or submitted too late. |

**Technique (25 available content points)**

| Requirements |
| --- |
| Code uses design features presented in the EZU tutorials. |
| Code follows good coding practices presented in the EZU tutorial. |
| All code is clean in that it does not cause error or warning messages to be raised by the PyCharm IDE. |
| Code passes tests by generating reasonable results and behavior. |
| Reasonable testing of the application does not trigger Python runtime errors. |
| Views within the project have been protected so that users may not hijack the authorization scheme by typing URLs into the browser address bar directly. |
| Code meets PEP-8 style guidelines as enforced by the PyCharm IDE. |

| Percent Credit | Description |
| --- | --- |
| 100 | Meets all expectations. |
| 90 | Meets nearly all expectations. |
| 75 | Meets most expectations. |
| 50 | Meets some expectations. |
| 25 | Meets few expectations. |
| 10 | Meets nearly no expectations. |
| 0 | Meets no expectations. |
| 0 | Not submitted or submitted too late. |

## Exercise 2 - Enhanced Authentication and Authorization (Optional Challenge Exercise)

### Completeness (3 available content points)

| Requirements |
| --- |
| Application includes a Sign Up feature consistent with functionality shown in Vitor Freitas tutorial. |
| Application includes a Login feature consistent with functionality shown in Vitor Freitas tutorial. |
| Application includes a Logout feature consistent with functionality shown in Vitor Freitas tutorial. |
| Application includes a Password Change feature consistent with functionality shown in Vitor Freitas tutorial. |
| Application includes a Password Reset feature consistent with functionality shown in Vitor Freitas tutorial. |

| Percent Credit | Description |
| --- | --- |
| 100 | Meets all expectations. |
| 90 | Meets nearly all expectations. |
| 75 | Meets most expectations. |
| 50 | Meets some expectations. |
| 25 | Meets few expectations. |
| 10 | Meets nearly no expectations. |
| 0 | Meets no expectations. |
| 0 | Not submitted or submitted too late. |

**Technique (2 available content points)**

| Requirements |
|---|
| Code follows good coding practices presented in the EZU tutorial. |
| All code is clean in that it does not cause error or warning messages to be raised by the PyCharm IDE. |
| Code passes tests by generating reasonable results and behavior. |
| Reasonable testing of the application does not trigger Python runtime errors. |
| Views within the project have been protected so that users may not hijack the authorization scheme by typing URLs into the browser address bar directly. |
| Code meets PEP-8 style guidelines as enforced by the PyCharm IDE. |

| Percent Credit | Description |
|---|---|
| 100 | Meets all expectations. |
| 90 | Meets nearly all expectations. |
| 75 | Meets most expectations. |
| 50 | Meets some expectations. |
| 25 | Meets few expectations. |
| 10 | Meets nearly no expectations. |
| 0 | Meets no expectations. |
| 0 | Not submitted or submitted too late. |

## Total Available Points = 100