



Web Application with Django



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Competition Overview and Components

Teams will be given the problem statement at the beginning of the competition time. Time will be allowed to read the problem statement and ask any questions in a common session. Once the question & answer time has closed, no further questions will be answered. At the end of the competition period, each team will submit their solution for judging.

Teams will be tasked with developing a dynamic website with multiple pages using Django. The use of a database will not be required for this competition, although one may be used if desired if you think the solution calls for it.

Team Composition

Individuals or teams of 2 students can register for this competition.

Skills

Skills Needed for this competition:

- Python Programming basics and Django
- HTML5 and CSS3
- Familiarity with a terminal shell such as PowerShell and/or a Python IDE such as PyCharm or VS Code
- Familiarity creating virtual environments in Python

Each team should have the ability to zip their files

Scoring

A scoring rubric will be distributed with the problem statement at the beginning of the competition time slot.

Schedule

See competition schedule for competition time and place. The time will include competition overview, competition work and turn in.

Check in will begin 15 minutes before the competition begins.

Resources

Each team must have at least 1 computer to complete your project

Students should *preinstall* a working environment on their computer prior to the competition. Development may be done in any preferred IDE or editor (e.g. PyCharm, VS Code, etc.). Students should also have a modern internet browser for testing their program solution. The Web Application with Django Workshop can aid in this process but this environment is not required for the competition.

Recommended versions for the competition are:

- Python 3.13 installed on your machine, or higher. More recent versions may not work.
- Django 4.2 or higher (latest stable version 5.1.5)