
SAMPLE PROJECT

Learning objectives:

Gain practical understanding of interfaces and inheritance.

Understand how to submit assignments to CodePost.

Directions

1. Download and extract the folder `sample_template.zip`. The folder is found under BeachBoard » Content » Module 1 » Sample Project. The folder contains the following files:
 - `MobileCritic.py` - contains the `MobileCritic` interface.
 - `Insect.py` - contains a fully-implemented superclass called `Insect`.
 - `Ant.py` - contains an incomplete subclass of `Insect` that must implement the `MobileCritic` interface.
 - `Spider.py` - contains an incomplete subclass of `Insect` that must implement the `MobileCritic` interface.
 - `Board.py` - contains a fully-implemented class called `Board`.
 - `main.py` - contains the complete implementation of a game that uses `Ant` and `Spider` objects.
2. Implement the `Ant` and `Spider` classes so that they fulfill the operations described in the documentation of the listed methods.
3. Test your implementation by running `main.py` and playing the game.

Submit to CodePost

Read the directions for submitting on CodePost that are found under BeachBoard » Content » Course Resources » Project Resources » Submitting Your Work to CodePost. Then, submit the following files to the appropriate CodePost folder:

- `Ant.py`
- `Spider.py`

RUBRIC

	Full Credit 1 Pt	Partial Credit Pts vary. See CodePost.	No Credit 0 Pt
Ant implementa- tion	Implementation is correct and passes all CodePost tests.	Implementation is partially correct. Fails one or more CodePost tests	Implementation is incorrect/incomplete and fails all CodePost tests.
Spider imple- mentation	Implementation is correct and passes all CodePost tests.	Implementation is partially correct; fails one or more CodePost tests.	Implementation is incorrect/incomplete and fails all CodePost tests.