**[Homework and Projects](https://faytechcc.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_35059_1&content_id=_5950122_1)**

[Homework and Projects](https://faytechcc.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_35059_1&content_id=_5950117_1)

Programming Projects are end of chapter exercises that demonstrate your understanding and ability to apply the chapter concepts to a given scenario. If you haven't done so already, you should read chapter 10 "Object-Oriented Programming" on page 355 of your textbook.

NOTE: When completing projects in Python for submission in Blackboard, be sure to name the exercise as instructed in the assignment details in this folder.

**Project Assignment Exercise for Chapter 10:**

M4T1 (11/8)

M4HW1\_Classes and Inheritance (11/15)

M4Pro\_Classes and Inheritance (11/22)

[**M4T1**](https://faytechcc.blackboard.com/webapps/assignment/uploadAssignment?content_id=_6144289_1&course_id=_35059_1&group_id=&mode=view)

For M4T1 (due 11/8) we just want to come up with some design changes for our text adventure.

We are in the early days, so if you don't have code yet, that's ok. What you should think about is as follows:

What classes are needed for different functionality? (We already have Room and Item, what about for locked doors? containers? etc.)

What is a reasonable inheritance hierarchy for these classes?

What class methods and variables will they need?

**Submitting the Assignment**

Just write up any notes (half page or so is plenty), and submit it here.

**M4HW Classes\_Inheritance ( assignment Instructions)**

[M4HW Classes\_Inheritance ( assignment Instructions)](https://faytechcc.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_35059_1&content_id=_5950122_1)

Complete exercise 10.16 (Account Inheritance Hierarchy) on page 426 of your text book.

Make sure required information is properly displayed on screen

Here's the Account class to start with:  
 [account\_class.zip](https://faytechcc.blackboard.com/bbcswebdav/pid-5950126-dt-content-rid-56022088_1/xid-56022088_1)

(The full repo for the textbook is at <https://github.com/pdeitel/IntroToPython>)

[**M4HW Classes\_Inheritance**](https://faytechcc.blackboard.com/webapps/assignment/uploadAssignment?content_id=_5950127_1&course_id=_35059_1&group_id=&mode=view)

Follow instructions from post above ( **M4HW Classes\_Inheritance** (**Assignment Instructions)**)

**Submit** your finished code solution file(s) through this assignment link by the posted deadline

**M3Pro Objects ( assignment Instructions)**

[M3Pro Objects ( assignment Instructions)](https://faytechcc.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_35059_1&content_id=_5950122_1)

For this project , you will need to download the following python module. This file contains a class

[person.py](https://faytechcc.blackboard.com/bbcswebdav/pid-5950129-dt-content-rid-32388906_1/xid-32388906_1)

 (opens in a new window)

Next , follow the instructions in the document linked below:

[- Alternative Formats](https://faytechcc.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_35059_1&content_id=_5950122_1)  [M4Pro Objects \_ Assignment Details.docx](https://faytechcc.blackboard.com/bbcswebdav/pid-5950129-dt-content-rid-54266711_1/xid-54266711_1) [M4Pro Objects \_ Assignment Details.docx - Alternative Formats](https://faytechcc.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_35059_1&content_id=_5950122_1)

 (opens in a new window)

[**M4Pro Objects**](https://faytechcc.blackboard.com/webapps/assignment/uploadAssignment?content_id=_5950130_1&course_id=_35059_1&group_id=&mode=view)

Download instructions from post above ( **M4Pro Objects** (**Assignment Instructions)**)

**Submit** your finished code solution file(s) through this assignment link by the posted deadline