## MavPASS Session Planning Form

***Instructions:*** *Complete charts and DETAILED descriptions of your plan below. It is expected that you will choose*

*at least one new strategy from pp. 51-65 to try each week. Please upload any PowerPoint slides and handouts*

*you plan to use in the session, and include links to any Kahoot games, flippity manipulatives, etc. It is also*

*suggested that you make notes to remind yourself of important tasks/skills where appropriate (i.e. TAKE*

*ATTENDANCE note at top and CHECK FOR UNDERSTANDING, REDIRECT QUESTIONS, & USE WAIT TIME*

*where it seems particularly relevant during your lesson).*

**MP Leader:** Thomas J. Lauer

**Session Date & Day of Week**: Tuesday, September 28th, 2021

**Course:** CIS 122

**Course Instructor**: Dr. John Burke

|  |  |  |  |
| --- | --- | --- | --- |
| Warm-up/ Opening:  **(2-4 min.)** | **Content to cover:** | **Collaborative Learning**  **Technique (choose from training manual, pp. 12-13)** | **Strategy to be used (choose from training manual, pp. 51-65)** |
| Current comfort levels on  class inheritance and polymorphism. | Group Survey | Brain Dump |

Please provide a **DETAILED BREAKDOWN** of warm-up activity **OR** attach corresponding document(s)

|  |  |  |  |
| --- | --- | --- | --- |
| Cool down/ Closer:  **(2-4 min.)** | **Content to cover:** | **Collaborative Learning**  **Technique (choose from training manual, pp. 12-13)** | **Strategy to be used (choose from training manual, pp. 51-65)** |
| New comfort levels on  class inheritance and polymorphism. | Group Survey | KWL |

Please provide a **DETAILED BREAKDOWN** of closing activity **OR** attach corresponding document(s).

## MavPASS Session Planning Form

|  |  |  |  |
| --- | --- | --- | --- |
| Workout:  **(44-46**  **min.)** | **Content to cover:** | **Collaborative Learning**  **Techniques (choose from training manual, pp. 12-13)** | **Strategies to be used (choose from training manual, pp. 51-65)** |
| Create a parent class with the given criteria.  Create child classes – use both this() and base(). | Small groups first,  then group discussion | Think Aloud, First Line Only, and Visuals |
| Make a list and loop through a bunch of items using polymorphism. | Small groups first,  then group discussion | Think Aloud, First Line Only, and Visuals |
| sealed vs. abstract classes  virtual methods, and the keyword “override” | Small groups first,  then group discussion | Think Aloud, First Line Only, and Visuals |

Please provide a **DETAILED BREAKDOWN** of workout activity **OR** attach corresponding document(s).

1. Create an abstract class “Clothing”
   1. Give it the following properties:
      1. int id
      2. string category
      3. string brand
      4. string color
      5. string material
      6. double price
   2. Create BOTH full and empty constructors
   3. Create a method “string ToString()”
   4. Create a virtual method “void Fold()”
      1. Write “Base folding action.” to the console.
2. Create a sealed class “Shirt”
   1. Inherit the “Clothing” class
   2. Give it the following properties:
      1. string size
      2. string design
      3. string type
   3. Create BOTH full and empty constructors
   4. Create a method “string ToString()”
   5. Create a method “void Fold()”
      1. Write “Folding a shirt.” to the console.
3. Create a sealed class “Pants”
   1. Inherit the “Clothing” class
   2. Give it the following properties:
      1. int waist
      2. int length
      3. string style
   3. Create BOTH full and empty constructors
   4. Create a method “string ToString()”
   5. Create a method “void Fold()”
      1. Write “Folding a pair of pants.” to the console.
4. Create a sealed class “Socks”
   1. Inherit the “Clothing” class
   2. Give it the following properties:
      1. string size
      2. string style
   3. Create BOTH full and empty constructors
   4. Create a method “string ToString()”
   5. Create a method “void Fold()”
      1. Write “Folding a pair of socks.” to the console.
5. In main…
   1. Create a list “Inventory” that contains:
      1. 5 “Shirt” objects
      2. 3 “Pants” objects
      3. 7 “Socks” objects
   2. Print and Fold all objects in the “Inventory” list.