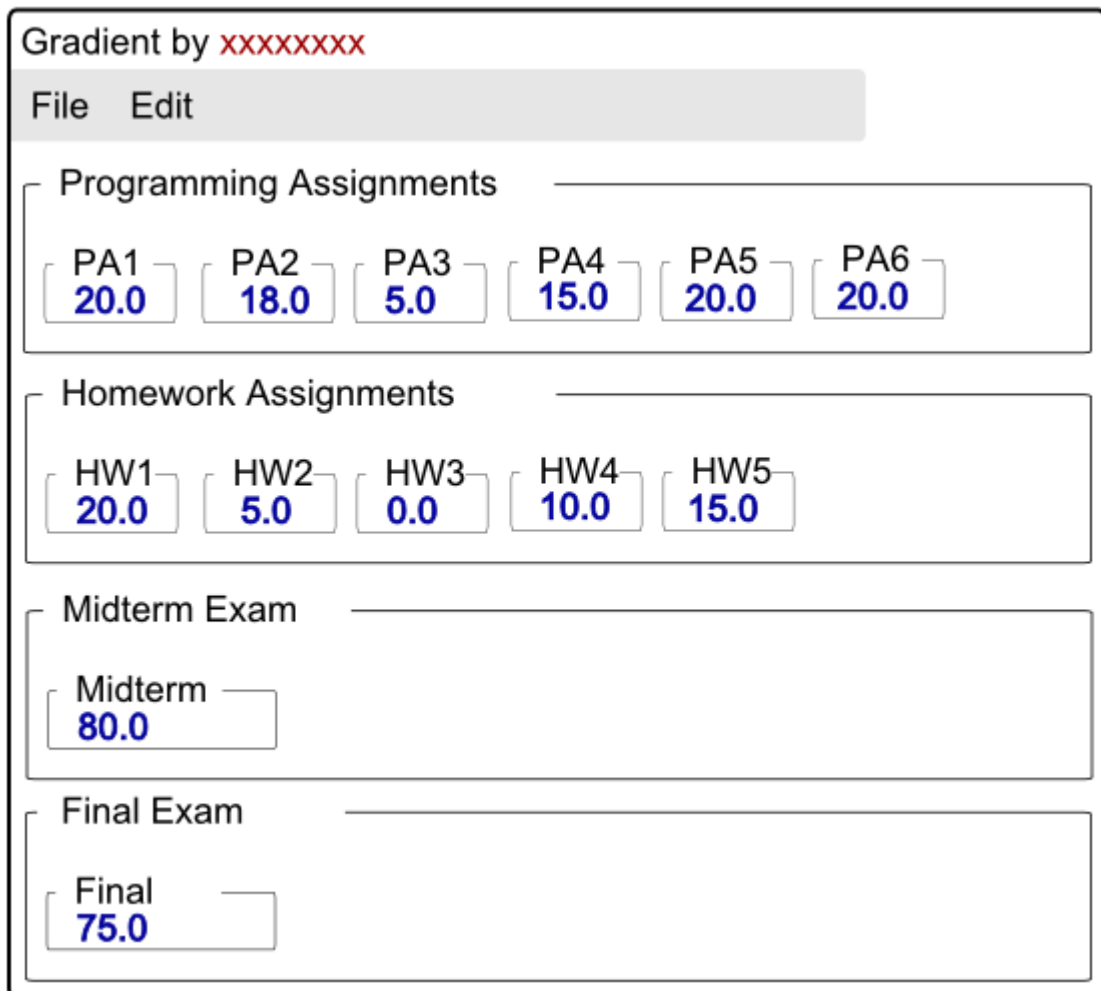




# Specifications: GradientWindow

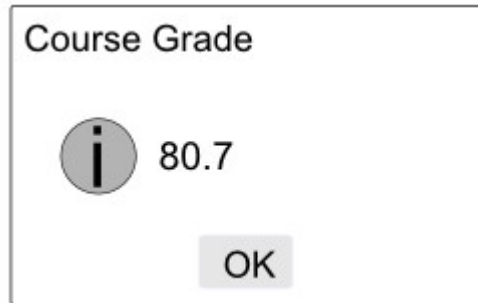
In addition to the obvious specifications illustrated in the UML class diagram, the GradientWindow class must satisfy the following specifications.

1. Visually, a GradientWindow object must look something like the following (where the text in blue is representative of information entered by the user or displayed by the application and the text in red must be replaced by specific information as explained below).



- 1.1. The information at the top must be displayed in the title bar.
- 1.2. xxxxxxxx must be replaced by your JMU eID (e.g., bernstdh, foxcj).
- 1.3. The File menu must be in the main menu bar.
  - 1.3.1. The File menu must have an Exit item.
- 1.4. The Edit menu must be in the main menu bar.

- 1.4.1. The Edit menu must have a Calculate item.
- 1.4.2. The Edit menu must have a Reset Item.
2. It must have one `CategoryField` for each `CompositeGrade` in the template "course" (which is, itself a `CompositeGrade`) that is passed to the constructor.
3. In response to the user clicking on Calculate it must display the appropriate course grade.
  - 3.1. The course grade must be displayed in a dialog box that looks approximately like the following:



4. In response to the user clicking on Reset it must reset all of the `CategoryField` objects.
5. In response to the user clicking on Exit the system must terminate.