

CSCI 260 Assignment 3. Due 5:00pm 5 October

Part 1 of this assignment should be done individually, while parts 2 and 3 are team activities. Feel free to send me e-mail (allen@bowdoin.edu) if you have problems or questions. Please e-mail me your individual answers to part 1, and one copy of your team's answer to part 3.

1. Answer the following Exercises in your text.

Chapter 5, Exercises E84bdf, E85d, E86d, E87bc, E91, E92d (use the names of real people in our class), E94, E96bc, E102a, E103a, E104a, E105a, E106a, E108a.

2. Team Formation for Developing StressFree

While the rest of the project will be fully defined after fall break, the class will form a 5-person software design team for this assignment. This assignment has as a goal to develop a system domain model for *StressFree*. To this end, your team should meet and:

- (a) Determine a team leader and the role(s) that each member will play. Possible roles are:
 - a. Team leader
 - b. Lead presenter (for the December 15 presentation).
 - c. Report writer(s)
 - d. Class designer(s)
 - e. Lead class specifier (more about this later in the semester).

Each team member should be a class designer and specifier for at least one class in the final design. The rest of this division of labor is fluid it will vary depending on individual preferences and skills.

3. As a team, develop a system domain model for *StressFree*. That is,

- (a) Make a critique and a revision of version 1.0 of the **Requirements Statement and Use Case Summary** (see separate document).
- (b) Develop the classes needed by a **system domain model** for *StressFree*: E.g., *Student*, *TimeSlot*, *Instructor*, *CourseOffering*, etc. Use the techniques you used in answering exercises E102-E106 to complete this exercise.
- (c) Turn in one set of completed class diagrams that your team developed for the previous exercise.

These classes will be derived from your **Revised Use Case Summary**. That is, your team will develop classes, associations, and responsibilities that reflect all the activities that take place as the different use cases are executed.