Final Project Phase I

1 Your Tasks

1.1 Task 1 - CRC Model

Your group must create a CRC model for the problem described. Instead of handing in your index cards, create a `pdf` file named crc.pdf in your team's subversion repository in folder `PI`. This file should containa collection of your diagrams that define each of your CRC cards. See the sample diagrams if the file `crc_template.pdf` posted on the course web site. Please make sure your diagrams are easy to read, the fonts are not too small,, not too big, etc. Do not include anything else in this file.

Keep in mind that you are designing the backend, not GUI screens. None of the CRC cards should mention buttons, text fields, or other graphical components. In later phases of the project, you will implement both the backend and the frontend, but for now you are designing justthe backend.

1.2 Task 2 - Walkthrough

In the file `walkthrough.txt`, submit a walkthrough for your `CRC` model for the scenario "logged in user locates all items of category `TSHIRT` with a price in the range 5 to 10 dollars (includsive) and places and order for two such items". You may want to look at a sample walkthrough file linked from the course web site.

1.3 Task 3 - Data Structures and Files Used

Describe all data structures used by your classes. In additrion, describe the format of the file(s) in which your applciation stores its data. In a real world application you would use a database (may be located in a remote server) to store this information, however for this course you will store all the information locally, in your development PC.

Your description must be written in short and complete sentences, having in mind your read has the technical knowledge, however may not be familiar with your project. The whole description should not be longer than two pages using single spacing. Submit your description in a plain text file named `data.txt`.

1.4 Task 4 - Meeting with your TA

For this project we are following agile methodology, so this phase represents your first sprint. As such, you should have some basic working software which should consist of at least two of your classes including a test code for each of these two classes.

During the Lab 8 on July 21, from 8pm to 10pm, your group will meet one of the TAs. The meetings will last a maximum of 10 minutes and will be scheduled based on the group number (sorted in the increasing number of the group number). The schedule will be published on the course web site.

In this meeting you will present:

- The submitted walkthrough
- A walkthough of the TA's choice
- Explain the choice of the data structures and present the working code of one of your classes.

2 Marking

All of these items will affect your grade:

- CRC model (1%)
  - The modularity of the design, and the degree to which it is reusable and extensible
  - The degree to which the design meets the requirements
  - The use of OO concepts we study in class
- Walkthrough (1%)
  - Correctness of your walkthrough. Will it accomplish the task?
  - The clarity of the presentation of your walkthrough.
- Files and data structures (1%)
  - Have you made reasonable choices among many possibilities?
  - The quality of the written description of the data structures and files used by the system.
- Your preformance during the meeting with your TA. (1%)
  - Were your answers clear and correct?
  - Did you demonstrate good understanding of your design, and the choices you made to get there?
- Please note the whole phase I is worth 4% of your final grade.

3 Checklist

Have you ...

- committed your work to your team repository?
- committed `crc.pdf`? Your file must nonlyhave the extension `.pdf`, but must also be readable aby a`pdf` viewer.
- committed `walkthrough.txt`?
- committed `data.txt`?
- used `svn list` and `svn status` to verify that your changes were committed?