



Team Contract

ISC4U1-22 Culminating Project 2016

Joe Lin, Annie Sun and Sailesh Nankani

This Team Contract (the "Agreement") states the terms and conditions that govern the contractual agreement between the team members (Joe Lin and Annie Sun) and the team leader (Sailesh Nankani) , who agrees to be bound by this Agreement.

WHEREAS, the team has conceptualized a Video Rentals Java Program (the "Software"), that stores videos for rent purposes and allows the videos to be checked out and returned back. It also includes a customer database, and keeps track of the transactions and the due dates.

NOW, THEREFORE, In consideration of the mutual covenants and promises made by the parties to this Team Contract, the team agree as follows:

1. TEAM LEADER'S DUTIES.

1. The Team Leader would ensure that the product is developed in timely manner: the deadline as mentioned in Exhibit A (the "Milestone Schedule") are strictly met.
2. Ensure all phases of the development (Design & Plan, Implementation, Complete Documentation, Completed marketable product, Project Interview) are completed.
3. The team leader shall be responsible for implementing the software by breaking down the program into 3 milestones and deciding the task achievement for each one.
4. Ensure each team member is working as required by the project and meaningfully contributing to all developmental stages.
5. Hand in the team contract to the team members and ensure that it is read, understood, agreed and signed by each of the team members.
6. The team leader shall be responsible to collect and amalgamate the software into the final product.
7. Ensure the final product meets the client's criteria and is fully functional.
8. Through mutual consensus by all of the members, make final decisions regarding the project.

2. TEAM MEMBER'S DUTIES.

Each team members shall have the following duties:

1. Contribute meaningfully to all phases of the project and utilize in-class time.
2. Submit the external documentation that represent a help system built into the program, testing notes, and a list of at least 4 problems encountered during programming, along with a detailed solution to each problem.
3. Actively participate in team discussions to come up with solutions and provide creative ideas.
4. Utilize the online software to make changes

3. CONSEQUENCES.

- For the first time the project is late due to a team member, an official warning shall be given stating the reason and further action.
- Any subsequent lates shall be dealt with a 5% deduction off the team member's project marks. The project shall still be done
- Consistent procrastination and unethical behavior shall lead to permanent removal of the person from the group.

4. NO MODIFICATION UNLESS IN WRITING.

No modification of this Agreement shall be valid unless in writing and agreed upon by both Parties.

5. SIGNATURES

The following members agree to abide by the contract:

Team Leader

SAILESH NANKANI

05/18/2016

Team Members:

JOE LIN

05/18/2016

ANNIE SUN

05/18/2016

EXHIBIT A

Milestone Schedule

Date	Project Milestone
Wednesday, May 25, 2016	Milestone A: The version A would have all the classes required for the video rental Java program. These classes would be able to do basic functions of the video rental software. It would be able to sort and search information the movies according to categories, name, year, ratings and run-time. It would also be able to sort and search through the the transaction history by the same categories. Two external files would be ready. One would be for customers and the other one with arrays that contain information about the videos. Only the external file containing the transaction history of old customers would be able to be written.
Wednesday, June 1, 2016	Milestone B: The graphical user interface for the program would be ready with minimum of ten windows. These windows would have search boxes, menu-bar, sub-menus, menu-items, lists, buttons, and pictures depending on their use. The user interface would be interactive and working so that windows are able to open.
Wednesday, June 8, 2016	Milestone C: The Java program would be fully functional and ready to use. The classes would be amalgamated to work with one another into one unified program. The graphical user interface would correspond to these classes and shall be the medium to use the program.
Wednesday, June 15, 2016	Completed Documentation and installation files All Java programs for classes and graphics would be commented and the Javadoc webpages would be complete and saved. A summary of changes and updated class diagram would be complete. Each team member would submit external documentation representing help system, testing notes and list of 4 problems and detailed solution to them. The installation files would be significantly complete and will made into a bootable file.

Exhibit B

Individual Tasks

Team Leader: Sailesh Nankani

Milestone A:

- Create two external files. One for movie containing information about category, name, year, ratings, and runtime and the other one for transaction containing information about previous customers and movies they have rented.
- Make classes called rentMovie that rents a movie and adds the record of transaction to the external file.
- Make a class that prints receipt for each transaction.
- Make class that reads the input from the user.

Milestone B:

- Windows for each video with information including its picture, ratings, cost, year, and brief description. It will also include the "rent" button which would allow checking out the video on the customer's list.
- Creation of the video page with the background and pictures that shows all the movies and the search toolbar.

Milestone C:

- Merging the graphic user interface with the classes so that the buttons, text boxes, and search boxes are functional on the main page with all the videos and for each individual windows for videos.
- The making of the text box on the welcome page such that it would correspond to creation of new record for the customer in the external file and return file would correspond to the transaction history.

Phase 3:

- Produce external documentation that represents in-built help system.
- Produce testing notes.
- Produce list of at least 4 problems along with detailed solution to each of them.

Phase 4:

- Make the installation files
- Create the user manual/handout

Team Member: Joe Lin

Milestone A:

- Make a class for transaction history that keeps records of all checkouts and returns. It can be viewed, sorted and searched.
- When the "new customer" search input is added, the new information is added to the customer database.
- Make classes called returnMovie that returns a movie which deletes the record (updates it) from the external file.

Milestone B:

- Making the main page with all of its graphics including the background, buttons, text boxes, menu-bar and menu-bar items.
- Making of the window that corresponds to the transaction history. Creation of button called "return" for each video that is due.

Milestone C:

- Merging the classes for returning the video with the transaction history page. Upon clicking all buttons with "return" on them would lead to deletion of the record from one of the external file.
- The sorting function would be created so that the lists are sorted upon clicking the button.

Phase 3:

- Produce external documentation that represents in-built help system.
- Produce testing notes.
- Produce list of at least 4 problems along with detailed solution to each of them.

Phase 4:

- Contribute towards the making of the promotional video.
- Create the installation files

Team Member: Annie Sun

Milestone A:

- Make a class that sorts the transaction history by customer, name, year, and runtime
- Make a class that sorts the video by name, year, ratings and runtime.
- Make a class that searches the videos by name, year, ratings and runtime.
- Make a class that searches the transaction history by customer, name, year, and runtime.

Milestone B:

- Windows for each video with information including its picture, ratings, cost, year, and brief description. It will also include the "rent" button which would allow checking out the video on the customer's list.
- Creating the interactive search bar which takes text from the customer and finds the video.

Milestone C:

- Responsibility for functionality of the "rent" button which would lead to creation of new record in the external file.
- The full functionality of the search boxes which would be used for both finding and sorting. These text boxes would correspond to sort and search classes.

Phase 3:

- Produce external documentation that represents in-built help system.
- Produce testing notes.
- Produce list of at least 4 problems along with detailed solution to each of them.

Phase 4:

- Contribute towards the making of the promotional video.
- Make the user manual/handout