

COMP 4339 – _Software Analysis and Design

Chapter 7: Defining the System Architecture

Chapter 8: Designing the User Interface Assignment #3 Date: 10/05/2015

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Grade: _____

1. Develop a dialog that encompasses the following storyboard. The system supports rental and download of movies or television shows to a computer or digital video recording and playback device.

The storyboard consists of seven sequential screens for a 'Video Rental Service' application. Each screen has a title bar and a menu bar with 'Rentals', 'Membership', 'Utilities', and 'Help'.

- Screen 1:** A sidebar menu on the left contains 'Rent', 'Return', 'Query', 'Lost', and 'Exit'. The main area is empty.
- Screen 2:** A login form with fields for 'eMail or Account #' (containing 'nwwells22@gmail.com') and 'Password'. It includes 'Login' and 'Cancel' buttons.
- Screen 3:** Displays user information: 'Nancy Block, 1122 Silicon Ave San Francisco, CA' and 'Member Since 2010 Last Rental 2/29/2012'. It has a search bar with 'Titanic' and a 'Go' button.
- Screen 4:** Shows search results for 'Titanic'. Two entries are listed: 'Titanic (1953) PG 2.99 7 day' and 'Titanic (2007) PG-13 5.99 7 day', each with a checkbox.
- Screen 5:** Similar to Screen 4, but the second entry is 'Titanic (1997) PG-13 5.99 exp 4/10/2012'. Both entries have checkboxes marked with an 'X'.
- Screen 6:** Shows a payment summary. On the left, it lists the two 'Titanic' rentals. On the right, it shows a breakdown: 'Total Rentals \$ 8.98', 'Tax \$.63', and 'Total \$ 9.60'. There is a checkbox for 'Charge Visa CC ...0899 ?' and 'OK'/'Cancel' buttons.
- Screen 7:** A confirmation dialog box is overlaid on the payment summary. The dialog text reads: 'Movies are downloading now. Both expire on 4/10/2012. Confirmation email sent to nwwells22@gmail.com'. It has 'OK' and 'Cancel' buttons.

From storyboard to dialog:

System: What would you like to do?

User: I would like rent videos/movies.

System: Welcome Nancy. You can search for your video/movie now.

User: The video/movie I am searching for is called "Titanic".

System: There are two options for renting/downloading the movie you searched for: Titanic (1953) PG \$2.99 expiring on

4/10/2012, and Titanic (1997) PG-13 \$5.99 expiring on 4/10/2012.

User: Okay. I am taking one PG and one PG-13 option for rent/download.

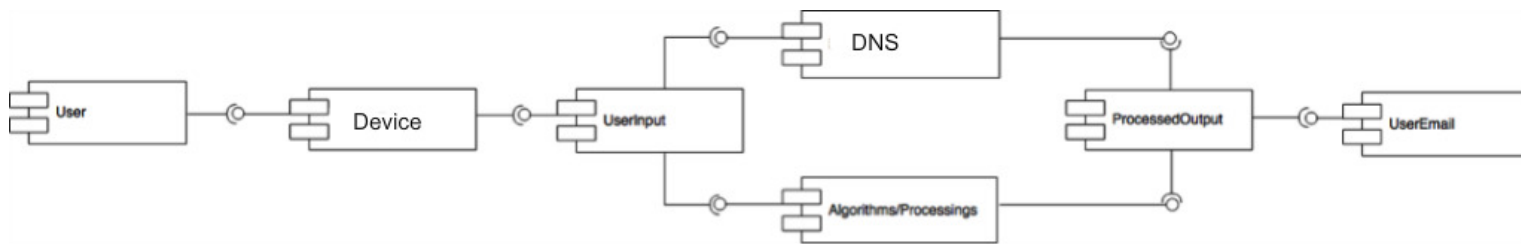
System: Okay. Your total is \$9.60. Would you like to proceed to pay with your card that is stored from before?

User: Yes, I would like to pay with the previously stored card.

System: Thank you. Your movies have been downloading now and they are expiring on 4/10/2012. You can check the confirmation on your email.

2. Draw a component Diagram based on your chosen course project.

Component Diagram for Brain Computer Interface



3. Draw a deployment Diagram based on your chosen course project.

Deployment Diagram for Brain Computer Interface

