Week 7 – Exercise

Name:

1. Explain where and why HCI fits into the system development process.
2. Describe three approaches to HCI design and discuss their strengths and weaknesses.
3. Generate card-based prototype from the following use case.

# Introduction

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| Use Case ID | UC\_CG\_003 |
| Use Case Name | Register for Course |
| Use Case Description | This use case allows a student to register for course offerings at the beginning of each semester. The student also can add, drop courses within registration period.  The following flows are described in this document:   * Create Course Schedule * Update Course Schedule   Course Schedule is the list of course offerings the student registers in each semester. |

# Flow of Events

## Basic Flow – Create Course Schedule

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| **Actor’s Actions** | **System’s Responses** |
| 1. The use case starts when Actor accesses his home page and requests to create a course schedule. |  |
|  | 2. System displays the **Course Schedule** page having no registered course offerings. |
| 3. Actor chooses **Add Courses** function. |  |
|  | 4. System represents the **Course Catalog** page with all course offerings opened for the current semester and not registered by Actor yet.  (<<include>> View Course Catalog) |
| 5. Actor selects four primary and two alternative course offerings and clicks **Add** button. |  |
|  | 6. System goes back to the **Course Schedule** page refreshing the just-registered course offerings. Total of credits and the amount of money of the course schedule are also here. |
| 7. Actor clicks **Submit** **Schedule** button. |  |
|  | 8. System adds Actor’s name into the selected course offerings. The flow ends. |

## Alternative Flow - Update Course Schedule

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| --- | --- |
| **Actor’s Actions** | **System’s Responses** |
| 1. Actor is in his homepage and requests to update the course schedule. |  |
|  | 2. System shows the **Course Schedule** page with currently registered course offerings.  (<<include>> View Course Catalog) |
| 3. Actor can drop or add more courses.  - Drop: selects one or more course offerings then clicks **Drop Courses** button.  - Add: click **Add Courses** button. System joins steps 4-6 of Basic Flow then jumps back to step 5 of this flow. |  |
|  | 4. System drops the selected course offerings from the schedule and refreshes the page. Total of credits and the amount of money of the course schedule are also updated. |
| 5. Actor clicks **Submit** **Schedule** button. |  |
|  | 6. System adds Actor’s name into the newly added course offerings and removes Actor’s name from the dropped courses offerings. The flow ends. |

1. Generate storyboard from below scenario

### Purchase an airline ticket

Mike wants to fly to Đà Nẵng next Thursday, returning on the last flight on Friday. He wants to know how much this would cost, and whether it would be cheaper to take a different flight back. He is not quite sure how Đà Nẵng is spelt on the computer. When he has found the right flight, she wants to confirm the purchase with a credit card.