

Web Application Development Diploma in IT Year 2 (2023/24) Semester 3	Week 4/5 5 hours
Assignment Activity 1: Kick Start the WEB Assignment	

OBJECTIVE

To form teams and kick-off the activities for the Assignment.

LEARNING OUTCOMES

1. Orientate yourself to the NP Courier Service (NPCS) Management System Case Scenario
2. Form teams and do research on a typical web-based courier service management system System.
3. Develop the screen designs for each of the functions
4. Develop a site map on how the functions (Web pages) can be related or connected

INSTRUCTIONS

Below is the list of activities:

1. Orientate yourself to the NP Courier Service (NPCS) Management System Case Study by reading and analyzing these documents of the assignment:
 - Appendix A: Functional Requirements
 - Appendix B: Entity-Relationship Data Model
 - Appendix C: Data Dictionary
2. Do a search in the Internet for courier services websites. Find out how the functionalities of the system are organized and information are being presented in the system. Some famous courier service websites are:
 - FedEx Singapore (<https://www.fedex.com/en-sg/home.html>)
 - DHL Singapore (<https://mydhl.express.dhl/sg/en/home.html>)
 - UPS Singapore (<https://www.ups.com/sg/en/Home.page>)
 - TNT Singapore (https://www.tnt.com/express/en_sg/site/home.html)
 - Speedpost (<https://www.speedpost.com.sg/>)
3. Form teams of 3 to 4 members. Distribute the works by taking up the function packages specified in the document. (Note: If the team consists of 3 members, omits Package 4.)
4. Analyze the documents on NPCS Management System Case Study. Spell out the details on how the functions work (remember that you will eventually need to program the function and hence a good understanding of each function is important).
5. Map out the screen design (storyboards/wireframes) required to carry out the workflow for each function that you are assigned to.
6. Do a general mapping (site map) of all the functions to show their connections.

DELIVERABLES

1. Individual deliverable: Screen designs (storyboard, with brief description) for each function assigned to you.
2. Team deliverable: A site map that shows how the functions are related or can be connected.

(Note: Eventually, you will need to integrate the various functions developed into Web pages that are “hyperlinked”).

CHECKPOINT #1

This is due by the **end of Week 5 (21 May 2023, Sunday, 23:59)**. You will have to submit the deliverables mentioned above as a group in POLITEMall using Assignment Submission.

You should put all the design works from all students in **a single word document**, the first page of the word document should be the Assignment Checkpoint 1 cover page (downloaded from Assignment Checkpoint 1 Submission Link), duly filled.

REFERENCES:

The following online documentation/video are helpful to understand the concept of a courier service management system and the business operation a courier service provider:

- Courier Management System(DHL software documentation)
(<https://www.slideshare.net/UdakaAyas/dhl-software-documentationnibm-1st-year-project>)
- FedEx and UPS Documentary
(https://www.youtube.com/watch?v=JZu_gxi3sbs)