

ONP400 SD Applied Project 2023

SEMESTER 2

PROJECT DELIVERABLES

DELIVERABLE		DUE DATE
1	<ul style="list-style-type: none">• “Physical” ERD Use Lucid Charts, DrawIO, Visio etc. <u>Only</u> include Primary Keys (PK’s) and Foreign Keys (FK’s).• Data Dictionary For <u>each</u> TABLE identified in the Physical ERD, you need to specify the following:<ul style="list-style-type: none">○ <i>Attribute</i>○ <i>Data Type</i> (May NOT use GUID for a PK). Rather use AutoNumber○ <i>Attribute Length</i> (Do NOT just use default length)○ <i>Validation</i> (If applicable, describe what validation is needed)• UCDs per User Use Lucid Charts, DrawIO, Visio etc. Draw separate UCDs for PATIENT, NURSE and OFFICE MANAGER.	Monday 31 July @ 11.55pm
2	<ul style="list-style-type: none">• Create DATABASE using SQL Server Do NOT use GUID for a PK. Rather use <i>AutoNumber</i>. Refer to Data Dictionary when specifying field data types, field length and validation.• CRUD Stored Procedures/LINQ For <u>each</u> TABLE write a Stored Procedure/LINQ for:<ul style="list-style-type: none">○ Create record○ Read <u>all</u> records○ Update record○ Delete record (Must be a SOFT Delete)• Populate DB tables using suitable Stored Procedures / LINQ<ul style="list-style-type: none">○ Make use of relevant Stored Procedures/LINQ to enter provided Test Data into <u>all</u> tables.	Thursday 10 August @ 11.55pm

3	<ul style="list-style-type: none"> Stored Procedures / LINQ for user queries Write Stored Procedures (SQL queries) to generate following <i>dynamic</i> output/reports for NURSE: <ul style="list-style-type: none"> Upcoming weekly/monthly visits (date range). Patient care contracts currently assigned. Care visits for a specific patient, including wound progress. Assigned patient and their chronic conditions. Write Stored Procedures (SQL queries) to generate following <i>dynamic</i> output/reports for OFFICE MANAGER: <ul style="list-style-type: none"> Care visits per nurse (date range). New/Assigned/Closed Care contracts (date range). Care contract and associated care visits. List of nurses <u>available</u> for each suburb (preferred suburbs). 	<p>Sunday 20 August @ 11.55pm</p>
4	<ul style="list-style-type: none"> Create Storyboards/Prototypes to explain the following Business Processes. Use Balsamiq, PowerPoint, or any other software you prefer. PATIENT <ul style="list-style-type: none"> Register on website. Request care contract request ("new" care contract). NURSE <ul style="list-style-type: none"> Specify preferred suburbs. Choose "New" care contract. "Schedule" upcoming care visits. Record care visit for a patient. OFFICE MANAGER <ul style="list-style-type: none"> Assign nurse to "new" care contracts. Identify which Stored Procedures/LINQ and Tables should be used in each of the Business Processes. 	<p>Wednesday 6 September @ 11.55pm</p>
5	<ul style="list-style-type: none"> Create PATIENT/NURSE/OFFICE MANAGER logins & direct to relevant user landing page. Preferably Do NOT use MVC User Roles (ONLY if understood 100%) NO individual accounts. Create USER table with <i>UserType</i> field. Create system web page. 	<p>Tuesday 26 September @ 11.55pm</p>
6	<ul style="list-style-type: none"> Published system. Include comments in code. Reference any code you did not write. Technical document. Software used. Updated ERD. Updated UCD's. Extract of complicated/difficult code. Code references. Lessons learned. 	<p>Saturday 21 October @ 11.55pm</p>
7	<ul style="list-style-type: none"> PROJECT PRESENTATIONS Demonstrate USER business processes. Test Data will be provided for each USER business process. 	<p>Monday 23rd October To Friday 27th October</p>
8	<ul style="list-style-type: none"> Videos Record demonstration of USER business processes. Test Data will be provided for each USER business process. 	<p>Friday 3 November @ 11.55pm</p>

