

Criterion	HD	DN	CR	PP	NN	NN-
Use of SVN (5%)	Submitted assignment is present in team repository; repository indicates project activity beginning by Week 9	As for HD level, but repository indicates project activity beginning during Week 10	As for DN level, but repository indicates project activity beginning during Week 11	As for CR level, but repository indicates project activity beginning during Week 12	Most recent version not available in repository	Repository does not contain assignmen-related content
Functionality (20%)	In addition to DN requirements: all other NTH features implemented to reasonable standard (including UC28 and UC37). In UC16, when availability is 'teaching' unit and room are also shown. HD+ (100%) level requires all NTH features to operate as specified	Staff List and Staff Detail with photo and availability ('free', 'consulting' or 'teaching'), consultation times and list of units the staff member is teaching; Unit List and Unit Timetable showing required details and able to be filtered by campus; Staff List can be filtered by both category and partial name match; Unit List can be filtered by partial code or title match; ability to go from Staff Detail to Unit Timetable view and back <i>or</i> Activity Grid implemented	Staff List and Staff Detail with photo but no availability, but including consultation times; Unit List and Unit Timetable showing required details and able to be filtered by campus; Staff List can be filtered by category	Staff List and Staff Detail without photo or availability & may be missing consultation times list or unit teaching list; Unit List and Unit Timetable, but timetable cannot be filtered by campus; or application includes additional functionality not requested that interferes with its usability	Staff or Unit List implemented but no details views	Application is unusable, does not display any data or crashes unexpectedly
OO implementation (15%)	Each class responsible for one part of the system; namespaces reflect packages in OO design; private data cannot be written arbitrarily, except in 'data-only' classes; appropriate use of abstract classes and static methods; one class per source file; uses enums or constants appropriately	At least one of the HD criteria is not met	At least two HD criteria not met; or string variables (i.e., not constants) used to hold enumerated values	Some classes have multiple, different functions (purposes); perhaps only a project-wide namespace; little attempt at explicitly controlling data access; at-times inappropriate use of static methods; or more than one distinct class defined in the same source file	Little OO in evidence; few classes, and those that are present have many responsibilities; only a project-wide namespace	Insufficient implemented to observe any OO
MVC (15%)	Clean separation between model, view and controller classes	At most one view class directly controls model objects	Some view classes directly control model objects, but not all; any event handler code in the main window is brief	Complex event handler code residing in main window's code-behind	Model (i.e., data) objects declared in view objects (including the main window)	View classes communicate with database adaptor
Database interaction and use of LINQ (15%)	Database queries are tailored to suit particular tasks and do not load more data than they need; LINQ used to correctly to implement suitable collection processing tasks	Most database queries load only enough data for that task being performed, but at least one loop used where a LINQ expression could be	Loops used in some places where LINQ expressions could be; or LINQ expressions overused by loading too much of the database into memory first	Basic staff and unit details successfully loaded from database; at least one LINQ expression used	No use of LINQ, or the only information retrieved from database is that needed for the staff or unit lists	No information retrieved from database
Use of WPF (15%)	Appropriate choice of GUI controls; suitable layout elements that allow application to be resized yet remain usable; implementation makes use of data binding and maybe a data template; at least one user control implemented	Appropriate choice of GUI controls, but some layout elements do not allow application to be resized yet remain usable; implementation makes use of data binding	Appropriate choice of GUI controls; but some layout elements may not allow application to be resized yet remain usable; makes some use of either data binding or a data template	Appropriate choice of GUI controls; some layout element choices do not allow application to be resized while remaining usable; no use of either data binding or data templates	Poor choice of GUI controls; application cannot be resized while remaining usable; no use of either data binding or data templates	User interface is unusable or does not display any information
Test Report (15%)	Single PDF that is clear, free of errors & contains only required information. Each SW test case has more than one method; methods are sufficiently detailed (no missing steps); white box and black box tests used appropriately; any SWC content included in use SW test case's criteria is relevant to that use case and not an independent SWC. All test outcomes are recorded.	Single PDF that is clear, mostly free of errors & contains only required information. Each SW test case has more than one method; methods are mostly sufficiently detailed (1 or 2 missing steps); white box and black box tests used appropriately. All test outcomes are recorded.	Single PDF that is generally readable but includes some mistakes that impede understanding; all instructional text has been removed. Two SW test cases have more than one method but one does not; methods are mostly sufficiently detailed (1 or 2 missing steps); most methods are marked as white box and black box, although some of those may have been used inappropriately. All test outcomes are recorded.	Single PDF that is generally readable but includes some mistakes that impede understanding; some instances of instructional text have not been removed from original template. All SW test cases have only one method, or inconsistent indication if methods are black box or white box; most methods are clear enough to be followed; may use an independent SWC as a criterion on a SW entry to which is does not apply. Some test outcomes are missing.	Report is generally not comprehensible, many instances of instructional text left in, or multiple files submitted instead of single PDF. All SW test cases have only one method, or not all required test cases included; or steps are extremely difficult to follow; or no indication if methods are black box or white box. More outcomes missing than present.	Report is largely incomplete or cannot be understood. Meets <i>all</i> NN criteria regarding test case quality (hence, test cases poor in every respect). No outcomes recorded.