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| **Section 1 – General Assessment Information** | |
| **Decision Making Rules** | Every task must be completed satisfactorily to be assessed as competent in the unit.  *\* For graded units, competence must be demonstrated before a mark can be given.* |
| **Reasonable Adjustment** | Students may request reasonable adjustment for assessment tasks.  Reasonable adjustment usually involves varying:   * the processes for conducting the assessment (eg: allowing additional time, varying the venue) * the evidence gathering techniques (eg: oral rather than written questioning, use of a scribe, modifications to equipment)   However, the evidence collected must allow the student to demonstrate all requirements of the unit. |
| **Special Consideration** | Students can apply for Special Consideration where personal circumstances have adversely affected their task result or ability to undertake an assessment. A Special Consideration form can be completed prior to, but no later than 3 days after, the date of the assessment and submitted to the relevant Manager. |
| **Re-submission** *(where tasks are not satisfactorily completed)* | Assessment tasks that are not satisfactory can be resubmitted up until the end of the unit as scheduled on the Unit Outline. The timing on this may depend on the equipment required for this assessment task.  **NOTE**: Assessment tasks submitted for the first time after the end of the unit as scheduled on the Unit Outline will not be assessed and student should be told to re-enrol in the unit. |
| **Plagiarism** | There are serious penalties for plagiarism. Students must ensure that all assessments are their own work (or group work).  Please refer to <https://www.swinburne.edu.au/current-students/manage-course/exams-results-assessment/plagiarism-academic-integrity/> |

| **Section 2 – Student and Assessor Instructions** | |
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| **Conditions** | *Must be completed in class within a given three hour time limit*  *Enterprise Architect must be used to create diagrams*  *Keep this document open as the assessor will provide feedback on the open document. Changes may be made to the submission based on feedback.*  *When the assessor has completed this assessment they will sign off with a code unique to you, do not leave until this code is entered in the assessor signature section.* |
| **Task Overview and/or Description** | **Computers, Rooms and Classes**  Dod&Gy have opened up a new venture into delivering short courses. They have access to a few rooms in a building in the CBD. Some of the rooms have been outfitted with computers. The data for their setup at the moment can be accessed from the below connection string:  "Server=tcp:civapi.database.windows.net,1433;Initial Catalog=civapi;User ID=civ\_user;Password=Monday1330;"  The structure of the database is included in the accompanying .sql file.  They require a Web API that can deliver the following as JSON:   |  |  | | --- | --- | | **Endpoint** | **Description** | | /api/Rooms | All rooms | | /api/Computers | All Computers | | /api/Class/{classCode} | Class of ClassCode | | /api/Rooms/Unused | All unused rooms | | /api/Rooms/Used | All used rooms and the classes that use them | | /api/Rooms/Computers | All rooms that contain computers | |
| **How the Assessment will be Conducted** | *Must be completed in class within a given three hour time limit*  *Assessment and feedback will be given immediately upon completion.* |
| **Submission Details** | 1. Link to GitHub repo 2. Marking Guide - below |

| **Section 3 – Assessment Criteria (Evidence to be Provided by the Student)** |
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| All of the required evidence within the task listed below must be satisfactorily demonstrated for the task to be assessed as satisfactory.  \* For graded units, the task must be satisfactorily completed before marks will be allocated. |

***Notes for the teacher***

*List in the Required Evidence column below all aspects of the task that are required to be demonstrated by the student for satisfactory completion of the task.*

*Name:* Joey Sutton Preece

*Student ID:* 102568393

*Date:* 29/11/19

*Time:* 9:00

| **Marking Guide** | | | | |
| --- | --- | --- | --- | --- |
| **Required Evidence** | | **Satisfactory** | **Not Submitted** | **Unsatisfactory** |
| **1** | All rooms |  |  |  |
| **2** | All Computers |  |  |  |
| **3** | Class of ClassCode |  |  |  |
| **4** | All unused rooms |  |  |  |
| **5** | All used rooms and the classes that use them |  |  |  |
| **6** | All rooms that contain computers |  |  |  |

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| **4. Q&A** | | | | |
| **Required Evidence** | | | **Satisfactory** | **Not Submitted** | **Unsatisfactory** | |
| **1** | | How has the program been tested? How do you know if the JSON returned is accurate? |  |  |  | |
|  | | The URLs are accessed in Firefox which then displays the JSON in an easily readable format. The JSON can be cross referenced to make sure things match up. |  |  |  | |
| **2** | | Give a brief explanation as to how a REST API works (~30 words) |  |  |  | |
|  | | A REST API provides a series of endpoints that allow clients to GET, POST, PUT, DELETE, etc.  These actions have defined behaviour they correspond to that forms the basis of a REST API. |  |  |  | |
| **3** | | How have objects been used in your program? |  |  |  | |
|  | | Entity framework core creates objects for the DB records it retrieves to locally cache information for serialisation. |  |  |  | |
| **4** | | Is a WEB API stateless? Is your API secure? |  |  |  | |
|  | | The API is stateless because it only acts as an interface for the DB which stores the state.  The API is not secure at all because it has no authorisation what so ever. |  |  |  | |
| **5** | | Could the API have been built from another tech stack? Name at least one |  |  |  | |
|  | | The API could have been built with another server system such as Node or Rust. |  |  |  | |
| **6** | | Identify one site that could be used to find information on new web trends |  |  |  | |
|  | | Medium provides tech articles and tutorials on current web technologies and trends.  https://medium.com/ |  |  |  | |

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| **Feedback to Student** | | | | |
| Click or tap here to enter text. | | | | |
| **Task Result** |  | **Satisfactory** |  | **Unsatisfactory** |

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| --- | --- | --- | --- |
|  | **Name** | **Signature** | **Date** |
| **Assessor** | **Tim Baird** | **1409980** | 29/11/19 |