

# Occupational Specialism Task 1

## Documentation Checklist

1	<b>Research Report (Appendix)</b> <ul style="list-style-type: none"><li>• <b>Hardware &amp; Software:</b> What hardware and software is used in the industry?</li><li>• <b>Emerging Technologies:</b> What new/emerging technologies are being used?</li><li>• <b>User Needs:</b> Who are the users and what do they want the system to do?</li><li>• <b>Industry Guidelines &amp; Regulations:</b> What laws do you need to be aware of, including data protection and anything industry specific?</li><li>• <b>Risk Analysis:</b> What are the risks to your project?</li></ul>
2	<b>Design Proposal Report</b> <ul style="list-style-type: none"><li>• <b>Business Context:</b> What is the business, what are their products/services? What do they want from a new system?</li><li>• <b>Functional &amp; Non-Functional Requirements:</b> What does your system need to do? How should it perform?</li><li>• <b>Decomposition of Problems:</b> What problems do you need to solve? What parts of the system do you need to code?</li><li>• <b>Key Performance Indicators (KPIs) and User Acceptance:</b> How will you know if your solution is successful?</li><li>• <b>Description of Solution:</b> Explain your solution.</li><li>• <b>Justification:</b> Explain how your solution meets the client's requirements.</li></ul>
3	<b>Site Map (x1)</b> <ul style="list-style-type: none"><li>• A block diagram to show all the pages you will include in your site.</li></ul>
4	<b>Wireframes (at least 3)</b> <ul style="list-style-type: none"><li>• Include wireframes (black and white or colour) for at least 3 of your pages – homepage, products/services, about us/contact.</li><li>• Use Draw.io for this.</li></ul>
5	<b>Style Guide (x1)</b> <ul style="list-style-type: none"><li>• A document to explain your colour scheme, fonts and sample images.</li><li>• Use Canva for this.</li></ul>

6	<b>Flowcharts (at least 3)</b> <ul style="list-style-type: none"> <li>Create flowcharts to demonstrate the logic of your system – user login, shopping cart/payment, account registration, booking system</li> </ul>
7	<b>Data Dictionary (x1)</b> <ul style="list-style-type: none"> <li>A list of all the data you will store in your database, including data types, and purpose.</li> </ul>
8	<b>Entity Relationship Diagram (x1)</b> <ul style="list-style-type: none"> <li>A diagram of all the tables in your database</li> <li>Include the fields in each table and the data types</li> <li>Also show the relationships between tables (data that is shared between two or more tables)</li> <li>Use Draw.io for this</li> </ul>
9	<b>Data Flow Diagrams (min 1)*</b> <ul style="list-style-type: none"> <li>A high-level diagram showing the different processes in your system and the data that is passed between them.</li> <li>This should show an overview of your system and the main data (e.g. customer data, booking data) that would flow between the processes.</li> <li>Use Draw.io for this</li> <li><i>* You might want to break this down to have a diagram for different modules in the system – this will help you meet the ‘decomposition of problems’ criteria in the mark scheme.</i></li> </ul>
10	<b>Use Case Diagram</b> <ul style="list-style-type: none"> <li>Explains the different tasks specific users need to perform</li> <li>Examples: Login, booking, adding products to cart, user accounts</li> <li>Use Draw.io for this</li> </ul>
11	<b>Sequence Diagrams</b> <ul style="list-style-type: none"> <li>Explains the sequence of actions taken by a user in the system</li> <li>Examples: Login, booking</li> <li>Use Draw.io for this</li> </ul>
12	<b>Test Strategy</b> <ul style="list-style-type: none"> <li>A table showing which components (features) you will test, the type of testing you will carry out, and what you need to do to carry out the test</li> <li>Is the test dependent on another module or another test being completed first (for example you cannot test the login function until a user has registered on the system.</li> <li>You will be given a template in Word to use for this section.</li> </ul>