1. From the first assignment onwards itself you should learn the principles of SDLC. That means, you should follow these process steps. Ensure you have appropriate documents and tools to support that you have completed the SDLC stages in the appropriate manner.

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| **Stage** | **Requirement Analysis & Planning** | **Requirements Definition** | **Architecture** | **Development** | **Testing** | **Deployment** | **Maintenance & support** |
| **Input** | Performed by senior members of a team. Inputs from customer, SMEs, sales department, market surveys etc are taken into account | Requirements are clearly defined and documented. | Best architecture is proposed. | Building the product following code guidelines. | Ensure the product reaches quality defined in SRS. | Release product either to target audience or set of people for UAT. | Enhancements, upgrades, bug fixes, security patches etc. |
| **Output** | Evaluate technical feasibility, Understand risks, plan for QA, | Software requirement Specification document.  Customer approves the document | A design document specification is created. The budget, time constraints, resources, infrastructure required are also determined. | Product ready for QA | Quality Product ready for deployment | Go-live/ feedback after UAT |  |
| **What I did** | Task to develop an “About me” website was given | Requirements were defined in LMS | Developed wireframes using MockFlow & Draw.io | Front-end using HTML & CSS. IDE- Visual Studio Code | Tested website using Lighthouse | Hosted website in IIS |  |

1. Software Quality Assurance is an important part of any software development project. You should demonstrate that you have done QA and Testing as appropriate to your Profile Website project assignment

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| Test Strategy | Identifying what levels of testing are to be applied and the methods, techniques and tools to be used. A test plan states what the items to be tested are, at what level they will be tested, what sequence they are to be tested in, how the test strategy will be applied to the testing of each item and describes the test environment. |  |
| Test case specification. | The test cases may be documented with the test plan, as a section of a software specification, or in a separate document called a test specification or test description. Test parameter and passing criteria is determined |  |
| Test summary reports. | Detailed summary |  |
| Document of Weekly Status Report. |  |  |
| User Documents. |  |  |
| Document of User Acceptance Report. |  |  |
| Test design document. |  |  |

<https://geteasyqa.com/qa/test-website/>

1. SWOT Analysis

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| --- | --- |
| **Strength** | **Weakness** |
| Ability to learn and deliver quickly | CSS, UI |
| **Opportunity** | **Threat** |
| Got a feel of CSS |  |