**Assessment Task 1:** **Develop Web Page Components**

|  |  |  |  |
| --- | --- | --- | --- |
| **Learner information** | | | |
| **Learner name:** | Click here to enter text.  *Please use the learner’s full name  (no abbreviations or nicknames).* | **Learner ID:** | Click here to enter text. |

| **Section A – Program/Course details** | | | |
| --- | --- | --- | --- |
| **Qualification code:** | ICT40120 | **Qualification title:** | Certificate IV in Information Technology (Programming) |
| **Subject Code:**  **Unit code:** | (CPRO5)  ICTWEB 431   ICTWEB 432  ICTWEB 433  ICTWEB 452 | **Subject Title:**  **Unit title:** | Web Design Fundamentals  Create and style simple markup language documents  Design website layouts  Confirm accessibility of websites  Create a markup language document |

| **Section B – Assessment task details** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Assessment number:** | 1 of 2 | | **Semester/Year:** | | 2/2024 |
| **Due date:** | Session 8 | **Duration of assessment:** | | 3 weeks | |
| **Assessment task results:** | This assessment task will be marked as: | | | | |
| Ungraded result: Satisfactory or Not Satisfactory  Other (eg points): | | | | |

| **Section C – Instructions to Learners** |
| --- |
| **Task instructions:** |
| * This assessment is comprised of 5 parts. You are required to complete all 5 parts under direct observation of your assessor. You assessor will schedule a session for the assessment, and you must attend the session to be assessed.  Part 1. Setup development environment and prepare resources Part 2. Design & develop a header section * Part 3. Design & develop an image gallery * Part 4. Design & develop a web form * Part 5. Design & develop an article style * See the supporting documentation section in this document for further instructions.   • This task is to be completed **individually**. • Using this assessment document, please read all questions in this document and record your answers in the document against each question. • To be satisfactory in this assessment task all answered questions must correctly meet the marking guide criteria. • Discuss with your assessor if you feel you require special consideration or adjustment for this task. • Learners can consult class learning material via Brightspace and other softcopy information, including information from the Internet. However, all answers must be in a learner’s own words. Where a quote is used the learner must cite the information source. • This completed assessment task must be uploaded to Brightspace along with a complete and signed coversheet by the due date.  • You must submit all required working files, documentation, and any other file that you feel may be required in a zipped file, including the completed and signed coversheet. The assessment must be completed and submitted electronically to Brightspace by the due date. If this is not possible, you must contact your assessor to gain written approval for an alternative arrangement for submitting the assessment.  • Leaner must contribute to and abide by organisational standards including intellectual property, privacy laws, and plagiarism and academic honesty. Further information is detailed at: https://holmesglen.edu.au/Students/Student-Resources/ |

| **Section D – Conditions for assessment** | |
| --- | --- |
| **Conditions:**  Learner to complete and attach Assessment Submission Cover Sheet to the completed Assessment Task. | |
| • This is an **individual** task. • You must meet all criteria listed in the marking guide to be satisfactory in this task.  • You must submit all required working files, documentation, and any other assets that you feel may be required in a zipped file, including the completed and signed coversheet. The assessment must be completed and submitted electronically to Brightspace by the due date. If this is not possible, you must contact your assessor to gain written approval for an alternative arrangement for submitting the assessment.  • If not successful within the enrolment period as per Holmesglen assessment procedure, you will be requested to resubmit within 7 days of receiving feedback. You will have the opportunity to resubmit if any part of the assessment is deemed unsatisfactory (you are permitted TWO (2) resubmission per assessment task). Resubmissions must be submitted by the resubmission due date provided by your teacher.  • This task is open book. You may use the internet for research purposes only. All answers must be in your own words. Where a quote is used, you must cite the information source.  • If you feel you require special allowance or adjustment to this task, please discuss with your assessor within one week of commencing this assessment. Any change to assessment arrangements must be reviewed by the Education Manager and approved by the Head of Department.  • You can appeal an assessment decision according to the Holmesglen Assessment Complaints and Appeals Procedure. • You are expected to dedicate time to develop this assessment task both in and out of the classroom. • Learners must contribute to and abide by organisational standards including intellectual property, privacy laws, and plagiarism and academic honesty. Further information is detailed at: https://holmesglen.edu.au/Students/Student-Resources/ | |
| **Equipment/resources learners must supply:**  **Learners opting to BYOD laptop or intending to learn remotely will require access to:** | **Equipment/resources to be provided by the RTO: This is a blended learning course and as such a remote learner will access their own computer equipment as per the specification provided. The Institute will provide the following:** |
| A PC/laptop with the following minimum specification:   * Quad Core CPU * 16GB of RAM * CPU with minimum 2ghz processor or faster * 200GB of Storage * Access to internet connection (ADSL or cable connection desirable) * Headset with microphone * A webcam   Access to Applications:   * Office 365 (including Word, Excel, PowerPoint…) – free to download through office.com login with your Holmesglen email * WebEx - free to download * 7Zip or an equivalent compression utility - free to download * OneDrive or google drive account for storage * Visual Studio Code * 2 web browsers (e.g Google Chrome + Edge) | A PC with the following minimum specification:   * 8GB of RAM * CPU with minimum 2ghz processor or faster * 200GB of Storage * Monitor 24" (PC only, dual monitor optional but preferred) * BYO Headset with microphone (webcam optional but preferred) * An internet connection   Applications:   * Office 365 (including Word, Excel, PowerPoint…) * WebEx * 7Zip * OneDrive * Web browsers * Visual Studio Code |

|  |  |  |  |
| --- | --- | --- | --- |
| **Section E – Marking Guide** | | | |
| **Assessment number:** | 1 of 2 | **Assessment title:** | Develop Web Page Components |
| **Learner ID:** | ID. | **Learner name:** | Learner name. |
| **Subject Code:**  **Unit code:** | (CPRO5)  ICTWEB 431   ICTWEB 432  ICTWEB 433  ICTWEB 452 | **Unit title:** | Web Design Fundamentals  Create and style simple markup language documents  Design website layouts  Confirm accessibility of websites  Create a markup language document |
| **Date:** | Click here to enter a date. | | |

**OBSERVATION**

Below are the observation components that the learner is required to demonstrate as part of this assessment. The learner only needs to demonstrate this once. If the learner is unable to demonstrate one or more of the required Observation tasks to a satisfactory level, they will be given two opportunities to demonstrate the unsatisfactory Observation task(s).

| **Skills to be observed during this task to the required standard** | | **1. Date:** | | **2. Date:** | | **3. Date:** | | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | |  | |
| Submission | | Resubmission if applicable | | Resubmission if applicable | |
| **Satisfactory** | | **Satisfactory** | | **Satisfactory** | |
| **Yes** | **No** | **Yes** | **No** | **Yes** | **No** |
| 1 | Candidate reviewed user requirements to determine website design. |  |  |  |  |  |  |  |
| 2. | Candidate identified uses and audience of required document. |  |  |  |  |  |  |  |
| 3. | Candidate identified and confirmed required documentation according to organisational procedures. |  |  |  |  |  |  |  |
| 4. | Candidate defined HTML document structure according to organisational procedures and document requirements. |  |  |  |  |  |  |  |
| 5. | Candidate developed testing approach and test cases based on requirements and refined with user. |  |  |  |  |  |  |  |
| 6. | Candidate determined and selected appropriate markup language based on user requirements. |  |  |  |  |  |  |  |
| 7 | Candidate created and assigned basic HTML elements of documents based on user requirements considering accessibility and document requirements |  |  |  |  |  |  |  |
| 8 | Candidate mark-up sections of documents to depict structure and refine with user. |  |  |  |  |  |  |  |
| 9 | Candidate markup and defined sections of document and described structure and layout according to document requirements |  |  |  |  |  |  |  |
| 10 | Candidate styled and formatted documents using CSS according to user requirements. |  |  |  |  |  |  |  |
| 11 | Candidate laid out document elements using CSS according to user requirements. |  |  |  |  |  |  |  |
| 12 | Candidate confirmed styling of web page meets document specifications and requirements. |  |  |  |  |  |  |  |
| 13 | Candidate tested webpage components in different browsers according to test approach and cases and correct and re-test issues. |  |  |  |  |  |  |  |
| 14 | Candidate documented test results and provided to client to explain any outstanding issues and corrective actions. |  |  |  |  |  |  |  |
| 15 | Candidate recommended, agreed, and undertook any outstanding corrective actions with the user to achieve user acceptance. |  |  |  |  |  |  |  |
| 16 | Candidate identified gaps between specifications and requirements and markup language document and applied changes as required, according to organisational procedures. |  |  |  |  |  |  |  |
| 17 | Candidate confirmed requirements were met and finalised documentation according to organisational procedures. |  |  |  |  |  |  |  |
| 18 | Candidate obtained sign-off from required personnel. |  |  |  |  |  |  |  |
| 19 | Candidate identified, interpreted and used information from technical and organisational documents, including requirement specification, coding guideline, and test template, to complete a work task. |  |  |  |  |  |  |  |
| 20 | Candidate developed test plan and web components in a manner that supports and conveys information, using the appropriate structures and specialised language. |  |  |  |  |  |  |  |
| 21 | Candidate used specific software (such as Visual Studio Code) and technical language (HTML, CSS) to create, format, review, save and access web-based documents, diagrams and images. |  |  |  |  |  |  |  |
| 22 | Candidate wrote, edited and proof read HTML documents and confirmed clarity of meaning, accuracy and consistency of information |  |  |  |  |  |  |  |
| 23 | Candidate identified work outcomes through open-ended questioning, active listening, paraphrasing and summarising. |  |  |  |  |  |  |  |
| 24 | Candidate used clear and detailed verbal language in order to convey explicit information. |  |  |  |  |  |  |  |
| 25 | Candidate understood and took own role and responsibilities, and followed explicit and implicit policies, procedures and industry standard practices such as coding standards and test template. |  |  |  |  |  |  |  |
| 26 | Candidate completed work to user requirements and industry standards. |  |  |  |  |  |  |  |
| 27 | Candidate sequenced and scheduled complex activities within the specified timeframe, monitors implementation, and managed relevant communication. |  |  |  |  |  |  |  |
| 28 | Candidate analysed documentation in order to apply and obtain desired results, and to resolve problems. |  |  |  |  |  |  |  |
| 29 | Candidate utilised a combination of lateral and analytical thinking, to design and refine solutions that are adaptable to different contexts |  |  |  |  |  |  |  |
| 30 | Candidate used a range of digitally-based technologies, and the software packages and hardware required to access information, search and enter, data and code, present information and communicate with others, cognisant of data security and safety. |  |  |  |  |  |  |  |
| 31 | Candidate made routine decisions and implemented standard procedures for routine tasks, using formal decision-making processes for more complex and non-routine situations |  |  |  |  |  |  |  |
| 32 | Candidate addressed less predictable problems and initiates standard procedures in response to these problems, applying problem-solving processes in determining a solution. |  |  |  |  |  |  |  |

# Assessment Submission Cover Sheet (VET)

|  |  |
| --- | --- |
| **Student Declaration – Must be signed before submission** |  |
| By submitting this assessment task and signing the below, I acknowledge and agree that:  • This completed assessment task is my own work.  • I understand the serious nature of plagiarism and I am aware of the penalties that exist for breaching this.  • I have kept a copy of this assessment task.  • The assessor may provide a copy of this assessment task to another member of the Institute for validation and/or benchmarking purposes. | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Student ID:** |  | **Student name:** |  |

|  |  |
| --- | --- |
| **Submission or observation date:** |  |
| **Student signature**  For electronic submissions: By typing your name in the student signature field, you are accepting the above declaration. |  |

| Section F – Feedback to Student | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Has the student successfully completed this assessment task?** | | | | | **Yes** | **No** |
| **☐** | **☐** |
| **Additional Assessor comments (as appropriate):** | | | | | | |
|  | | | | | | |
| **Resubmission allowed:** | **Yes ☐** | **No ☐** | **Resubmission due date:** |  | | |
| **Assessor name:** | Jefi Varghese | | | | | |
| **Assessor signature:** |  | | | | | |
| **Assessed date:** |  | | | | | |

**Supporting Document**

**Develop Web Page Components**

|  |  |  |  |
| --- | --- | --- | --- |
| **Subject code:**  **Unit code**: | (CPRO5)  ICTWEB 431   ICTWEB 432  ICTWEB 433  ICTWEB 452 | **Subject title:**  **Unit title:** | Web Design Fundamentals  Create and style simple markup language documents  Design website layouts  Confirm accessibility of websites  Create a markup language document |

| General Information |
| --- |
| You are required to develop several user interface components for a web page, including   * A header, including a logo and navigation bar * An image gallery * A web form * An article template   You will find the detailed requirements in each part below.  During the development, sample texts and images are required using placeholders. You could get the resources using any online placeholder generator tools to create dummy texts and images. Such as   * Use Lorem Ipsum tool (<https://www.lipsum.com/>) to generate dummy texts * Use Dummy Image tool (<https://dummyimage.com/>) to generate dummy images   You are required to follow the coding guideline below for all HTML and CSS codes  <https://www.w3schools.com/html/html5_syntax.asp>  You are required to develop test plan and document test results using a provided template.  All the tasks must be done in the class under the direct observation of an assessor. |

| Part 1: Setup development environment and prepare resources | |
| --- | --- |
| Before you get started into programming, please setup a development environment and prepare resources required for the work. Refer the check list below: | |
| Check List | |
| VS Code |  |
| Two different browsers, such as Google Chrome and Firefox |  |
| Internet connection |  |
| Coding guidelines for HTML and CSS |  |
| Test plan template |  |
| Dummy texts and images generator |  |
| Word processing software |  |

| Part 2: Design and develop the header section | |
| --- | --- |
| You are required to design and develop a header section for a website. Below is the graphic design and detailed requirements. | |
|  | |
| Requirements:   * Font family – “Verdana, sans-serif”, font size – “14px” * Coding standards shall be followed then writing HTML and CSS code. * CSS code shall be written in a separate CSS file. * Test cases shall be developed according to the requirements and using the provided template. * Web component shall be tested according to the test cases, and a test report shall be generated. * Web component shall be tested in at least two different web browsers. * Theme colours to be used are font colour: #F5D026, background: #0C0DF0, hover colour: #232376 * An active class with background: black. | |
| You need to follow the steps below to complete this task. | Complete |
| Step 1: Review and confirm client requirements |  |
| Step 2: Develop test cases in test plan |  |
| Step 3: Develop the HTML code |  |
| Step 4: Develop the CSS code |  |
| Step 5: Conduct test according to test plan and record results |  |
| Step 6: Identify gas between the requirements and document changes required. |  |
| Step 7: Present the results to the client and obtain sign-off |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Client Name** | *Jefi Varghese* | **Client Signature** | *Insert Signature* | **Date** | *Insert Date* |

|  |
| --- |
| **Assessor’s Comments:** |
|  |

| Part 3: Design and develop an image gallery | |
| --- | --- |
| You are required to design and develop an image gallery section for a website. Below is the graphic design and detailed requirements. | |
|  | |
| Requirements:   * Font family – “Verdana, sans-serif”, font size – “18px”, font colour black * Coding standards shall be followed then writing HTML and CSS code. * CSS code shall be written in a separate CSS file. * Test cases shall be developed according to the requirements and using the provided template. * Web component shall be tested according to the test cases, and a test report shall be generated. * Web component shall be tested in at least two different web browsers. * Theme colours to be used are font colour black, border colour: #0C0DF0, hover colour: red | |
| You need to follow the steps below to complete this task. | Complete |
| Step 1: Review and confirm client requirements |  |
| Step 2: Develop test cases in test plan |  |
| Step 3: Develop the HTML code |  |
| Step 4: Develop the CSS code |  |
| Step 5: Conduct test according to test plan and record results |  |
| Step 6: Identify gas between the requirements and document changes required. |  |
| Step 7: Present the results to the client and obtain sign-off |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Client Name** | *Jefi Varghese* | **Client Signature** | *Insert Signature* | **Date** | *Insert Date* |

|  |
| --- |
| **Assessor’s Comments:** |
|  |

| Part 4: Design and develop a web form | |
| --- | --- |
| You are required to design and develop a web form section for a website. Below is the graphic design and detailed requirements. | |
|  | |
| Requirements:   * Font family – “Verdana, sans-serif”, font size – Font family – “Verdana, sans-serif”, font size – “18px” for the words “Product enquiry form”; “14px” for everything else, font colour – “black” * Coding standards shall be followed then writing HTML and CSS code. * CSS code shall be written in a separate CSS file. * Test cases shall be developed according to the requirements and using the provided template. * Web component shall be tested according to the test cases, and a test report shall be generated. * Web component shall be tested in at least two different web browsers. * Theme colours to be used are font colour black, border colour: #0C0DF0, background colour: #F5D026 | |
| You need to follow the steps below to complete this task. | Complete |
| Step 1: Review and confirm client requirements |  |
| Step 2: Develop test cases in test plan |  |
| Step 3: Develop the HTML code |  |
| Step 4: Develop the CSS code |  |
| Step 5: Conduct test according to test plan and record results |  |
| Step 6: Identify gas between the requirements and document changes required. |  |
| Step 7: Present the results to the client and obtain sign-off |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Client Name** | *Jefi Varghese* | **Client Signature** | *Insert Signature* | **Date** | *Insert Date* |

|  |
| --- |
| **Assessor’s Comments:** |
|  |

| Part 5: Design and develop an article section | |
| --- | --- |
| You are required to design and develop an article section for a website. Below is the graphic design and detailed requirements. | |
|  | |
| Requirements:   * Font family -Arial. Font colour black * Main heading font size 30px, sub heading font size 24px, other heading font size 18px / bold, Article font size 16px. * Coding standards shall be followed then writing HTML and CSS code. * CSS code shall be written in a separate CSS file. * Test cases shall be developed according to the requirements and using the provided template. * Web component shall be tested according to the test cases, and a test report shall be generated. * Web component shall be tested in at least two different web browsers. * Theme colours to be used are font colour black, background colour: #BDCACD | |
| You need to follow the steps below to complete this task. | Complete |
| Step 1: Review and confirm client requirements |  |
| Step 2: Develop test cases in test plan |  |
| Step 3: Develop the HTML code |  |
| Step 4: Develop the CSS code |  |
| Step 5: Conduct test according to test plan and record results |  |
| Step 6: Identify gas between the requirements and document changes required. |  |
| Step 7: Present the results to the client and obtain sign-off |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Client Name** | *Jefi Varghese* | **Client Signature** | *Insert Signature* | **Date** | *Insert Date* |

|  |
| --- |
| **Assessor’s Comments:** |
|  |

| Final submission checklist | |
| --- | --- |
| Please make sure that you have check all steps as complete for each part. Make sure that you have completed a test plan fore each component and part of this assessment. | |
| Final Check List | Complete |
| All parts completed |  |
| Test plan for each component completed and filled out |  |
| Any changes needed are documented in the test plan |  |
| All source code |  |
| This document is filled out and signed. |  |
| The coversheet is signed. |  |
| The test plan(s) and source code is all zipped up for Brightspace. |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Client Name** | *Jefi Varghese* | **Client Signature** | *Insert Signature* | **Date** | *Insert Date* |

|  |
| --- |
| **Assessor’s Comments:** |
|  |