Module Details		Learner's Details	
SECTOR:	ICT	**Regno:**	
SUB-SECTOR:	**Information Technology (IT)**	**Class:**	**Level 6 IT (Year 1) …………**
CERTIFICATE:	**TVET Certificate VI in Information Technology**	**Trainer's Details**	
Module (Code & Name):	**ITLDF601 – Frontend development**	**Names:**	**SAFARI Cyprien**
Competence:	**Develop Frontend**	**Duration:**	**180min**
Training Centre:	**RP Karongi College**	**Date:**	**March 25, 2025**
Type of evidence:	**Performance evidence**	**Signature:**	

UNIT 3: DEVELOP COMPLEX CSS

Scenario:

You have been hired as a web developer by **"Tech Innovators Inc."**, a company that provides cutting-edge technology solutions and training programs. They want you to style the created **company website** to showcase their services, team, and features, as well as allow users to register for their upcoming training programs.

Objective:

1. Apply CSS styles to enhance the visual appeal of the website.
2. Use CSS for layout, typography, colors, and animations.
3. Implement a **responsive navigation menu** with a **hamburger icon** and **clearly named submenus**.
4. Follow best practices for CSS organization and maintainability.

Tasks:

Task 1: Global Styles (10 points)

- **Instructions:** Add global styles to the website to ensure consistency across all pages.
- **Requirements:**
    o Set a consistent font family (e.g., 'Arial', sans-serif) and font size for the entire website.
    o Define a color scheme (e.g., primary, secondary, and accent colors).
    o Reset default margins and paddings using a CSS reset or normalize.css.
    o Add a max-width and margin: 0 auto to center the content on the page.

Task 2: Header and Navigation Bar (15 points)

- **Instructions:** Style the header and navigation bar to make them visually appealing.
- **Requirements:**
    o Use **flexbox** to align the logo, site title, and search box in the header.
    o Style the navigation bar with a horizontal layout, hover effects, and active state for the current page.
    o Add a background color or gradient to the header and navigation bar.
    o Ensure the search box is visually distinct and aligned to the right.

Task 3: Left Sidebar (10 points)

- **Instructions:** Style the left sidebar to make it visually distinct and functional.
- **Requirements:**
    o Use a fixed width for the sidebar (e.g., 250px).
    o Add a background color or border to separate it from the main content.
    o Style the scrolling announcements with a custom scrollbar (optional).
    o Ensure the sidebar is visually appealing and complements the overall design.

Task 4: Main Section (20 points)
- **Instructions:** Style the main content area for each page.
- **Requirements:**
  - Use **CSS Grid** or **flexbox** to organize the content.
  - Add padding and margins to ensure proper spacing.
  - Style headings, paragraphs, and images to make them visually appealing.
  - Add a **box shadow** or **border radius** to sections for a modern look.

Task 5: Footer (10 points)
- **Instructions:** Style the footer to make it visually distinct and consistent with the overall design.
- **Requirements:**
  - Add a background color or gradient to the footer.
  - Center the footer content and style the links (e.g., hover effects).
  - Ensure the footer is visually appealing and complements the overall design.

Task 6: Registration Form (15 points)
- **Instructions:** Style the complex registration form to make it user-friendly and visually appealing.
- **Requirements:**
  - Use **CSS Grid** or **flexbox** to organize the form fields.
  - Style the input fields, buttons, and labels for consistency.
  - Add hover and focus effects to form elements.
  - Ensure the form is visually appealing and easy to use.

Task 7: Responsive Design with Hamburger Menu and Submenus (15 points)
- **Instructions:** Make the website responsive for different screen sizes (desktop, tablet, mobile).
- **Requirements:**
- On mobile devices, hide the navigation links and display a **hamburger icon** (three horizontal lines).
- When the hamburger icon is clicked, display the navigation links in a **vertical dropdown menu**.
- Add **clearly named submenus** to the navigation bar:
  - **Services:**
    - Web Development
    - Mobile Apps
    - Cloud Solutions
  - **Training:**
    - HTML & CSS
    - JavaScript
    - Python
- Use **CSS-only techniques** (no JavaScript) to achieve this functionality.
- Ensure the navigation menu is user-friendly and visually appealing on all screen sizes.

Task 8: Animations and Transitions (10 points)
- **Instructions:** Add subtle animations and transitions to enhance the user experience.
- **Requirements:**
  - Add hover effects to buttons and links (e.g., color change, scale effect).
  - Use CSS transitions for smooth animations (e.g., fade-in effects).
  - Add a simple animation to the scrolling announcements in the sidebar (optional).

Task 9: Other Features (5 points)
- **Instructions:** Add extra features to showcase advanced CSS skills.
- **Requirements:**
  - Use **CSS variables** to define and reuse colors, fonts, and other styles.
  - Add a **sticky header** that stays at the top of the page while scrolling.
  - Use **custom fonts** (e.g., Google Fonts) to enhance typography.
  - Create a **dark mode** toggle using CSS variables and the :checked pseudo-class (CSS-only).

Assessment Checklist

Task	Indicator	Marks	Met? (✔/✘)
Task 1: Global Styles		**10**	
	Consistent font family and font size set.	2	
	Color scheme defined (primary, secondary, accent colors).	2	
	Default margins and paddings reset using CSS reset or normalize.css.	3	
	Content centered on the page using max-width and margin: 0 auto.	3	
Task 2: Header and Nav		**15**	
	Header uses flexbox to align logo, title, and search box.	3	
	Navigation bar has horizontal layout, hover effects, and active state.	4	
	Header and navigation bar have a background color or gradient.	3	
	Search box is visually distinct and aligned to the right.	3	
	Navigation links are functional and visually appealing.	2	
Task 3: Left Sidebar		**10**	
	Sidebar has a fixed width (e.g., 250px).	2	
	Sidebar has a background color or border to separate it from main content.	3	
	Scrolling announcements are styled (optional custom scrollbar).	3	
	Sidebar is visually appealing and complements the overall design.	2	
Task 4: Main Section		**20**	
	Main content uses CSS Grid or flexbox for layout.	5	
	Proper padding and margins ensure spacing is consistent.	5	
	Headings, paragraphs, and images are styled for visual appeal.	5	
	Sections have box shadows or border radius for a modern look.	5	
Task 5: Footer		**10**	
	Footer has a background color or gradient.	3	
	Footer content is centered and links have hover effects.	4	
	Footer is visually appealing and complements the overall design.	3	
Task 6: Registration Form		**15**	
	Form uses CSS Grid or flexbox for layout.	4	
	Input fields, buttons, and labels are styled for consistency.	4	
	Hover and focus effects are applied to form elements.	4	
	Form is visually appealing and easy to use.	3	

Task	Indicator	Marks	Met? (✔/✗)
Task 7: Responsive Design		**15**	
	Hamburger icon appears on mobile devices.	3	
	Navigation links are hidden on mobile and displayed vertically when clicked.	4	
	Submenus are functional on desktop (hover) and mobile (click).	4	
	Website is user-friendly and visually appealing on all screen sizes.	4	
Task 8: Animations		**10**	
	Hover effects are applied to buttons and links.	4	
	CSS transitions are used for smooth animations (e.g., fade-in).	3	
	Scrolling announcements have a simple animation (optional).	3	
Task 9: Other Features		**5**	
	CSS variables are used to define and reuse colors, fonts, and styles.	1	
	Sticky header stays at the top of the page while scrolling.	1	
	Custom fonts (e.g., Google Fonts) are used to enhance typography.	1	
	Dark mode toggle is implemented using CSS variables and :checked.	2	