HTML Fundamental Activities

Activity 1: Recipe Sharing Website – HTML5

Plan Website Structure:

1. Determine the sections your recipe sharing website will include (e.g., homepage, recipe collection, individual recipe pages, user profiles, search functionality, about us, contact).
2. Sketch or wireframe the layout and design of each section to visualise the structure and content organisation.

HTML5 Structure:

1. Write HTML5 code to create the basic layout of your recipe sharing website, including structural elements like **‹header›**, **‹nav›**, **‹main›**, **‹section›**, **‹footer›**, etc.
2. Utilise semantic HTML5 tags such as **‹article›**, **‹figure›**, **‹aside›**, **‹details›**, **‹summary›**, etc., to properly structure your content for accessibility and SEO.

Content Population:

1. Populate each section with relevant content, such as recipe titles, ingredients, instructions, images, ratings, and reviews.
2. Utilise HTML5 text formatting tags (**‹h1›**, **‹h2›**, **‹p›**, etc.) to emphasise key points and headings.

Interactive Elements:

1. Incorporate interactive elements like buttons, dropdown menus, and navigation bars using HTML5 tags and attributes (**‹button›**, **‹nav›**, **‹ul›**, **‹li›**, etc.).
2. Implement forms for user interactions, such as submitting new recipes, rating recipes, and leaving comments, using **‹form›**, **‹input›**, **‹textarea›**, etc.

Recipe Presentation:

1. Use lists (**‹ul›**, **‹ol›**, **‹li›**) to categorise and display recipes effectively, allowing users to browse by cuisine, dietary preferences, or meal type.

2. Include images and multimedia within recipe pages to provide visual cues and enhance the cooking experience, using **‹img›** and **‹video›** tags.

Activity 2: Basic HTML Page

1. Construct a basic HTML page featuring a header, paragraph, image, and hyperlink. Utilise various tags such as ‹h1›, ‹p›, ‹img›, and ‹a› to organise the content.
2. Experiment with varying heading sizes, paragraph styles, and font formatting choices to enhance the visual appeal of your page. Explore the incorporation of ‹br› tags for creating line breaks.

Activity 3: Fitness and Nutrition Website

1. **Plan Website Structure:**
   - Determine the sections your fitness and nutrition website will include:
     - Homepage
     - Workout Programs
     - Nutrition Guides
     - Exercise Library
     - Success Stories/Testimonials
     - About Us
     - Contact
   - Sketch or wireframe the layout and design of each section:
     - *Homepage*: Featured workouts, nutrition tips, success stories, navigation menu.
     - *Workout Programs*: Detailed descriptions of different workout plans, categorised by goals (e.g., weight loss, muscle gain).
     - *Nutrition Guides*: Information on healthy eating habits, meal planning, and dietary recommendations.
     - *Exercise Library*: Demonstrations of various exercises with proper form and technique.
     - *Success Stories/Testimonials*: Inspiring stories of individuals achieving their fitness goals, before and after pictures.
     - *About Us*: Information about the website, its mission, and team members.
     - *Contact*: Form for users to reach out with inquiries or feedback.

2. HTML5 Structure:

- Create the basic layout of your fitness and nutrition website:
  - Utilise structural elements like **‹header›**, **‹nav›**, **‹main›**, **‹section›**, **‹footer›**.
- Use semantic HTML5 tags such as **‹article›**, **‹figure›**, **‹aside›**, **‹details›**, **‹summary›** for better accessibility and SEO.
- Make use of tags for making tables and ordered and unordered lists.

3. Content Population:

- Populate each section with relevant content:
  - Workout program descriptions, nutrition guides, exercise demonstrations, success stories, and contact information.
- Utilise HTML5 text formatting tags (**‹h1›**, **‹h2›**, **‹p›**) for headings and key points.

4. Interactive Elements:

- Incorporate interactive elements:
  - Buttons, dropdown menus, and navigation bars using HTML5 tags and attributes (**‹button›**, **‹nav›**, **‹ul›**, **‹li›**).
- Implement forms for user interactions:
  - Contact form for inquiries or feedback using **‹form›**, **‹input›**, **‹textarea›**.

5. Multimedia Integration:

- Utilise multimedia elements:
  - Include images and videos showcasing workouts, exercises, healthy meals, and success stories.
  - Embed videos demonstrating exercise techniques within the Exercise Library section.