BootCamp Course Outline

Week 1: Introduction to HTML

- **Day 1:** Basics of HTML, structure of an HTML document
- **Day 2:** Text formatting tags, hyperlinks, lists
- **Day 3:** Images, tables, forms
- **Day 4:** Semantic HTML, HTML5 new elements
- **Day 5:** Practical session: Building a simple webpage

Week 2: Advanced HTML and Introduction to CSS

- **Day 1:** HTML media elements: audio, video, canvas
- **Day 2:** Introduction to CSS, syntax, selectors
- **Day 3:** Box model, margin, padding, border
- **Day 4:** CSS positioning, display, and float
- **Day 5:** Practical session: Styling a simple webpage

Week 3: Advanced CSS

- **Day 1:** CSS Flexbox
- **Day 2:** CSS Grid
- **Day 3:** Responsive web design with media queries
- **Day 4:** CSS animations and transitions
- **Day 5:** Practical session: Building a responsive webpage

Week 4: Introduction to JavaScript

- **Day 1:** Basics of JavaScript, variables, data types
- **Day 2:** Functions, scope, and control structures
- **Day 3:** Arrays, objects, and loops
- **Day 4:** DOM manipulation
- **Day 5:** Practical session: Adding interactivity to a webpage

Week 5: Advanced JavaScript

- **Day 1:** JavaScript events
- **Day 2:** Asynchronous JavaScript: Callbacks, Promises
- **Day 3:** Fetch API and AJAX
- **Day 4:** Error handling in JavaScript
- **Day 5:** Practical session: Building a simple web application

Week 6: JavaScript ES6 and Beyond

- **Day 1:** Introduction to ES6: let, const, arrow functions
- **Day 2:** Template literals, destructuring, spread/rest operators
- **Day 3:** Classes and modules
- **Day 4:** Advanced topics: async/await, map, filter, reduce
- **Day 5:** Practical session: Refactoring code to ES6+

Week 7: Introduction to React

- **Day 1:** What is React? Setting up the development environment
- **Day 2:** JSX, components, and props
- **Day 3:** State and lifecycle methods
- **Day 4:** Handling events in React
- **Day 5:** Practical session: Building a simple React application