**Internet Basics**

1. **How the Internet Works**
   * **DNS and IP Addresses**
   * **HTTP/HTTPS Protocol**
   * **Domain and Hosting Basics**

**HTML**

1. **Structure of HTML Document**
2. **Semantic HTML**
3. **Forms and Validation**
4. **Accessibility (ARIA)**

**CSS**

1. **CSS Fundamentals**
2. **Flexbox and Grid Layouts**
3. **Responsive Design**
4. **Media Queries**
5. **Animations and Transitions**

**JavaScript**

1. **Core Concepts**
   * **Variables and Data Types**
   * **Functions and Scopes**
   * **DOM Manipulation**
2. **Advanced Topics**
   * **Promises and Async/Await**
   * **Event Delegation**
   * **Error Handling**

**Version Control Systems**

1. **Git Basics**
   * **Branching and Merging**
   * **Reverting Changes**
   * **Resolving Conflicts**
2. **Repo Hosting Services**
   * **GitHub Basics (Pull Requests, Issues)**
   * **GitHub Actions**

**Package Managers**

1. **npm (Node Package Manager)**
   * **Installing Packages**
   * **Creating and Managing Package.json**

**Frameworks**

1. **React.js**
   * **Components and Props**
   * **State and Lifecycle Methods**
   * **React Router**
   * **Hooks (useState, useEffect)**
   * **Context API**

**Modern CSS**

1. **Tailwind CSS**
   * **Utility-First Classes**
   * **Customizing Themes**
   * **Responsive and Dark Mode**

**CSS Architecture**

1. **BEM (Block Element Modifier)**
   * **Naming Conventions**
   * **Structuring CSS Classes**

**CSS Preprocessors**

1. **Sass (Syntactically Awesome Stylesheets)**
   * **Variables and Mixins**
   * **Nesting**
   * **Partials and Imports**

**Build Tools**

1. **Linters and Formatters**
   * **Prettier (Code Formatting)**
   * **ESLint (Code Quality)**
2. **Module Bundlers**
   * **Vite**
   * **SWC (Speedy Web Compiler)**
   * **Esbuild**

**Testing Your Applications**

1. **Unit Testing with Vitest**
2. **Integration Testing**

**Authentication Strategies**

1. **JWT (JSON Web Tokens)**
2. **OAuth**
3. **SSO (Single Sign-On)**
4. **Basic Authentication**
5. **Session-Based Authentication**

**Web Security Knowledge**

1. **CORS (Cross-Origin Resource Sharing)**
2. **HTTPS**
3. **Content Security Policy (CSP)**
4. **OWASP Security Risks**

**Web Components**

1. **Creating Reusable Components**
2. **Shadow DOM and Custom Elements**

**Type Checkers**

1. **TypeScript Basics**
2. **TypeScript with React**

**Server-Side Rendering**

1. **Next.js**
2. **Nuxt.js**

**GraphQL**

1. **Basics of GraphQL Queries and Mutations**
2. **Apollo Client**

**Progressive Web Apps**

1. **Service Workers**
2. **Offline Caching**

**Static Site Generators**

1. **Gatsby**
2. **Next.js**

**Mobile Applications**

1. **React Native**
2. **Flutter**

**Desktop Applications**

1. **Electron**
2. **Tauri**

**Additional Frontend Concepts**

1. **Performance Optimization**
   * **Lazy Loading**
   * **Code Splitting**
2. **Browser APIs**
   * **Geolocation**
   * **Web Storage (LocalStorage, SessionStorage)**
3. **State Management**
   * **Redux**
   * **MobX**