

WEEKLY

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**WEEK 1**

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| Day | Learning Objective | Topics Covered |
| **Day -1(UI)** | * What is web UI | * What makes web UI * Role of HTML, CSS & JavaScript * Understanding browser APIs * How to work with browse APIs using plain-java-script * Challenges while using plain JavaScript * Need of third-party lib and frameworks |
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| **Day 2(UI design)** | * Traditional UI Design | * View & state mix concerns * Memory management issues * Performance issues * Data-binding issues * Code organization issues |
| * Component based UI Architecture | * MVC with 2-way data-binding issues * Understanding components * Component principles * Advantages of UI components for modern UI * HTML components |

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| **Day-3** | * React.js introduction | * Brief on why we need react.js * React setup and basic example(s) |
| * How React.js works | * browser-DOM vs in-memory/virtual DOM * Live-demo with & without react.js |
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| **Day 4** | case-study ( level-1 : introduction) | * Step-step by case-study implemntation using React.js |
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