

# Web Development

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Recommended technologies: HTML5, CSS, JS, BootStrap, NodeJS, ExpressJS, MongoDB and ReactJS (Mentor may recommend different ones).

## 1st week: 3<sup>rd</sup> – 8<sup>th</sup> of May

Resources to access (Videos):

- HTML Crash Course: <https://www.youtube.com/watch?v=UB1O30fR-EE>
- CSS Crash Course: <https://www.youtube.com/watch?v=yfoY53QXEnI>
- JS Crash Course: <https://www.youtube.com/watch?v=hdl2bqOjy3c>
- BootStrap Crash Course: <https://www.youtube.com/watch?v=5GcQtLDGXy8>
- Optional: HTTP Crash Course: <https://www.youtube.com/watch?v=iYM2zFP3Zn0>

List of concepts that can be given for self exploration this week (Upto the choice of mentor):

- HTML
- CSS/BootStrap
- JS
- HTTP (Optional)
- Implementation of the above.

## 2nd week: 9<sup>th</sup> - 15<sup>th</sup> of May

List of concepts to be taught/ reviewed:

- HTML+CSS+JS (implementation)
- UI/UX Concepts and Designing Web Interfaces.
- HTTP/HTTPS + Client-Server Architecture (Brief overview)
- Start Backend Training (MERN Stack is recommended, but Mentor can make their own recommendation)

The mentor should be flexible with any technology that the students choose.

## 15<sup>th</sup> of May

Practice tests will be given by the core.

Topics to be tested:

- Basics of Web Development
- JS concepts
- UI/UX concepts
- Basics of Client-Server Architecture

**May 16<sup>th</sup> onwards**

After assessing the situation of exams and other unlikely events, further schedule will be planned and given out.