**MSC 452 Mid**

1. Difference between wireframe, mockup and prototype:

**Wireframe:** Wireframe is the draft before developing a website. It can be sketch with pen and pencil, colors, boxes, boarders etc. It is done initially before creating a mockup. For example, a webpage is illustrated on a paper with pencil including boxes, images, colors, lines etc. which should be on the webpage.

**Mockup:** Mockup is done after wireframing. It is a visible format of wireframing. It is done graphically including text, pictures, images etc. doing a little bit of coding and graphics designing. By mockup, everything is seen on screen in the webpage. For example, a website is created doing coding which can be seen on the screen.

**Prototype:** Prototype is done after mockup. It is high fidelity webpage. It is an interactive tool. After doing prototyping, people can click on the links, images, videos etc. and those things responds. Webpages interact when instructions are given. For example, Links, images are included on the webpage which respond while clicked.

1. To Choose a Technology Stack for Web Application Development the given things should be considered:

* **Type of the Webpage:** What kind of webpage I am creating like it will be a mobile app or website should be in concern while choosing a technology stack.
* **Time to Market:** When I will publish it in the market should also be considered. The faster I publish, the better image I create.
* **Security:** Security is also a very important thing. The website should be secured.
* Scalability: The website I am creating should be scalable. The growth of this sector should be in concern.
* **Development cost:** While choosing technology stack, I have to keep in mind the operating cost, managerial cost, salaries of the developers etc.