

Date: 27-5-2020

Morning Session: 9 am – 11 PM

By ~ Sundeeep Charan Ramkumar Today

Topics: Building better UIs in web applications

1. Building better UIs in web applications - Part 1

- Navigation
- Signup and login
- The empty state of a web application
- Dashboard views
- Buttons and actions
- Designing forms
- Filtering contents
- Selecting Types
- Selecting Colors
- Dialogs
- Popovers
- Tabs
- Tooltips
- Pagination
- Backgrounds and Textures
- Spacing and Layouts
- Using charts and graphs
- Using Icons
- Testing your designs

NAVBAR : A navigation bar is a user interface element within a webpage that contains links to other sections of the website. (About, Service, Contact)

Navbar tips and tricks should follow:

- 1) Should never cross more than 5 options,
- 2) If u exceeding more than 5 options use dropdowns,
- 3) Always use smaller font size in nav bar, (16px)
- 4) Flip the colors always , dual tone colours or mono color.

SIGNUP AND LOGIN:

Why do signup and login forms exist?

Registration:

- 1) newsletters
- 2) Advertisements
- 3) Data of user traffic
- 4) Premium (locking down certain features in trade of user data)
- 5) Creating a new user

Login Form:

- 1) To know who we are
- 2) Security
- 3) Collecting sensitive data in a secure manner.

Bounce Rate: Bounce rate provides information on the behavior of a website's visitors, and in turn how well the website is engaging them.

- Always try to have a better validations system.
- Always try to have brand color for primary button
- Primary button and secondary button??

(<https://uxplanet.org/primary-secondary-action-buttons-cl6df9b36150>)

Empty state of WebApplication: Empty states occur when an item's content can't be shown.

Types of Empty States

Here are four types of frequently encountered empty states:

- **First use** – Occurs with a new product or service when there is still nothing to show, such as a new Evernote or Dropbox account.
- **User cleared** – Occurs when users complete actions such as clearing their inbox or task list, and the result is an empty screen.
- **Errors** – These occur when something goes wrong, or when there are issues such as a mobile phone going offline due to network problems.
- **No results/No data** – Occurs when there is nothing to show. This can happen if someone performs a search and the query is empty or there isn't data available to show (when filtering for a date-range that has no data for example).

Dashboard Views: A dashboard is a collection of several views, letting you compare a variety of data simultaneously. For example, if you have a set of views that you review every day, you can create a dashboard that displays all the views at once, rather than navigate to separate worksheets.

Actions and Buttons:

- Buttons: for interaction Purpose
- Actions: for Redirection purpose

Colour:

<https://www.interaction-design.org/literature/article/dressing-up-your-ui-with-colors-that-fit>

Typography:

<https://www.creativelive.com/catalog/design/typography>

Models: A modal window is an element that sits on top of an application's main window. It creates a mode that disables the main window but keeps it visible with the modal window as a child window in front of it. Users must interact with the modal window before they can return to the parent application

<https://www.appecues.com/blog/modal-dialog-windows>

Testing your design:

<https://www.nngroup.com/articles/testing-visual-design/>

Spacing and layouts:

It is useful when we have a multi content display.

important to make use of space to organize content such that it is visually pleasing

elements/page content must look easily differentiable so that end user doesn't get confused

Other resources for Media queries

<https://www.youtube.com/watch?v=yU7jJ3NbPdA>

<https://www.youtube.com/watch?v=Xig7NsIE6DI>