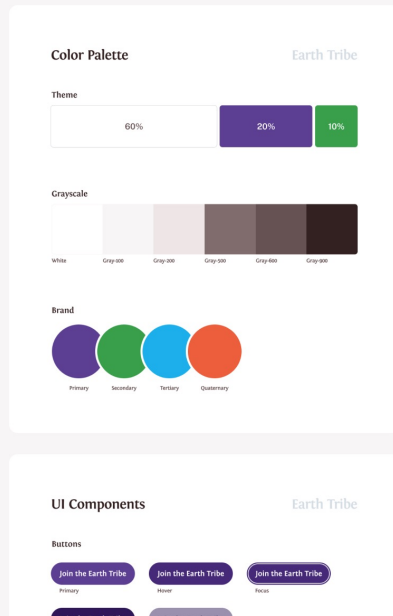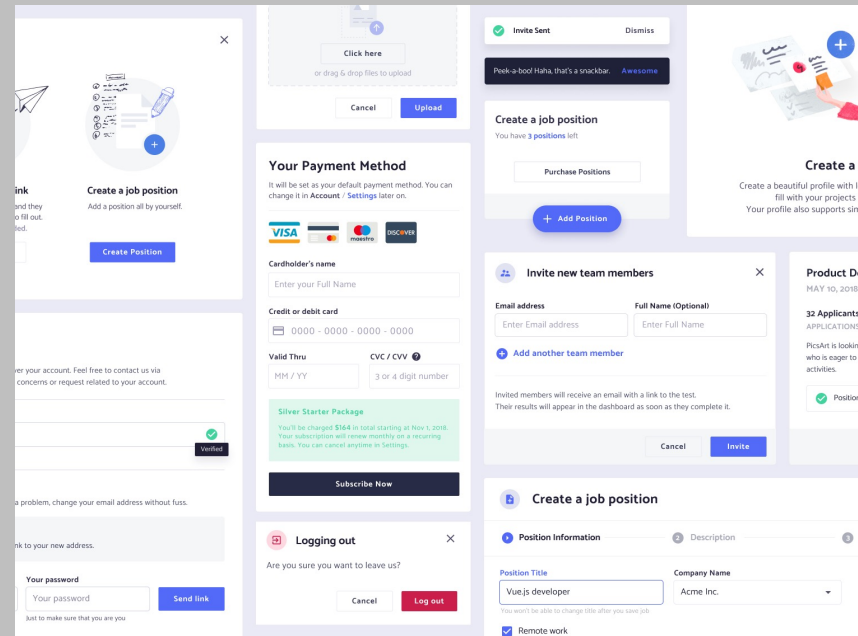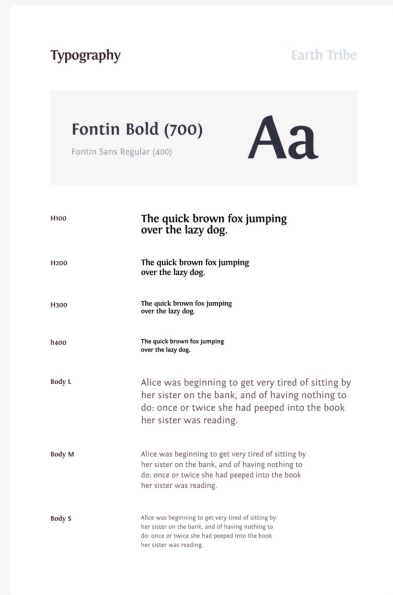# Design System (DS)

Khan Fayjul

STYLE GUIDE

COMPONENT LIBRARY

What is DS?

Guidelines for fonts, colors, shapes, sizes, margins, positions, grid and other important aspects of the visual experience you provide to people.
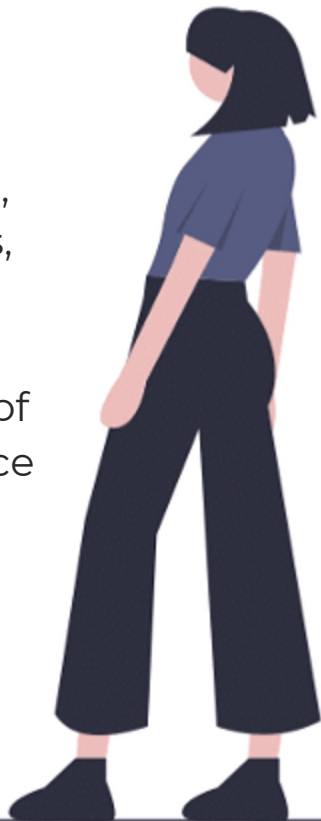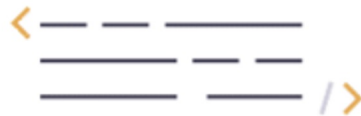
A component library on GitHub, written in React, Vue, Angular or just JavaScript.

Designer

Developer
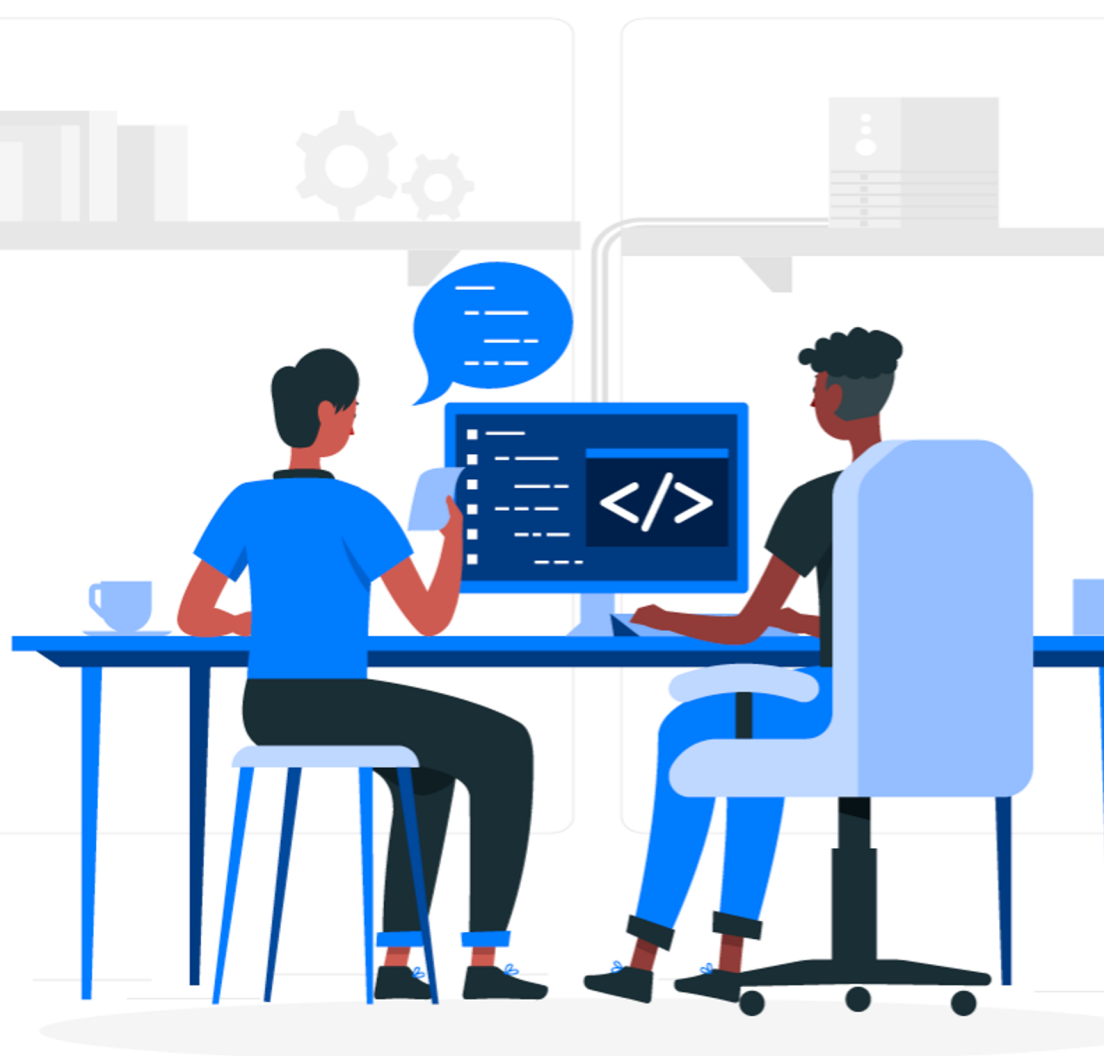
A **design system** is a collection of **reusable components** for both design and code, guided by **clear standards**, that can be assembled together to build any number of applications.

DESIGN SYSTEM

VS

COMPONENT LIBRARY

VS

STYLE GUIDE

Structure of DS

Design System Component

Tangible

Patterns

Components

Style Guides

Non-tangible

Shared beliefs

Design principles

Company values

Working mentality

Brand purpose

DESIGN SYSTEM
DEFINES RULES AND CONNECTIONS

STYLE GUIDE
DEFINES ABSTRACT STYLES

color   icons   grid
brand   paddings
margins
typography   etc.

information architecture   foundations
taxonomies   content principles
motion
dictionairy   accessibility
possible combinations
etc.

item list   button   image   hero

COMPONENT LIBRARY
DEFINES USABLE BLOCKS

gallery

article   navigation

PRODUCT

@HonzaTmn

SO, A DS

- is <u>more than a framework, UI toolkit or component library</u>.
- is <u>more than a style guide or set of code guidelines</u>.
- is <u>even more than the sum of those parts</u>.
- **But is an evolving rule-set governing the composition of a <u>product experience</u>.**

Why DS is important?

- Design & Build products with consistency.
- To increase efficiency in product development / Faster development.
- Team collaboration
- Rules to improve usability, accessibility, efficiency

Usage of DS

- Own design house
- Third-party

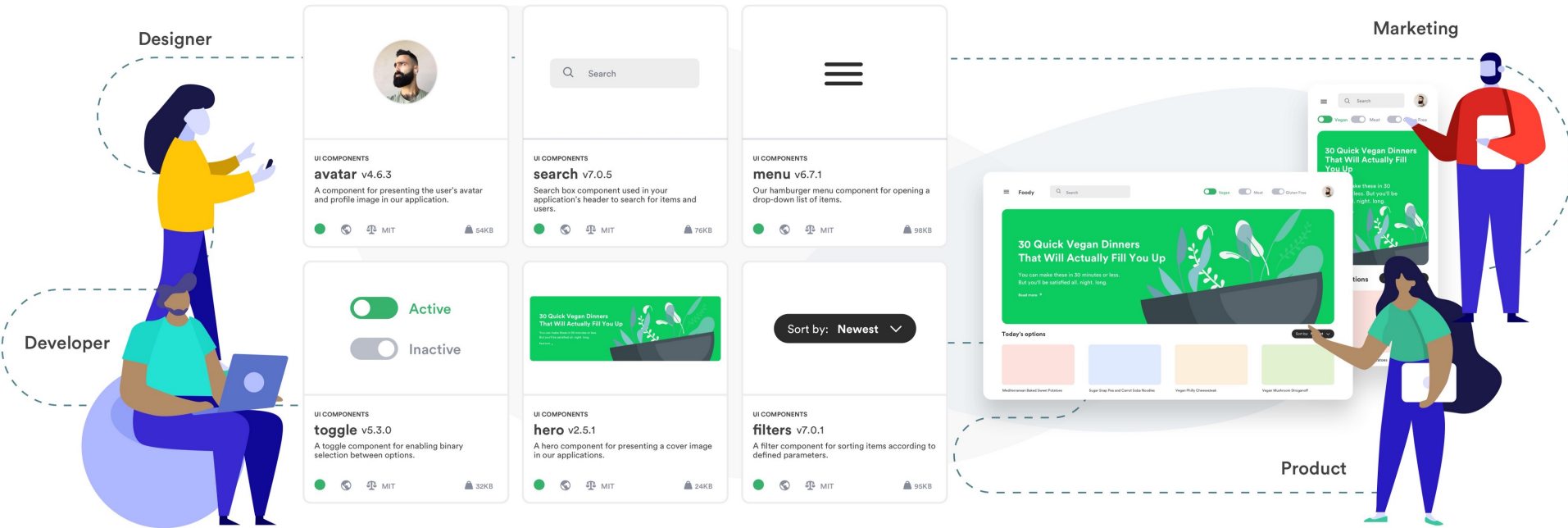The first design system was introduced
by NASA in 1976

Popular DS

- Material Design System (Google)
- Atlassian Design System
- Polaris (Shopify)
- Carbon Design System (IBM)
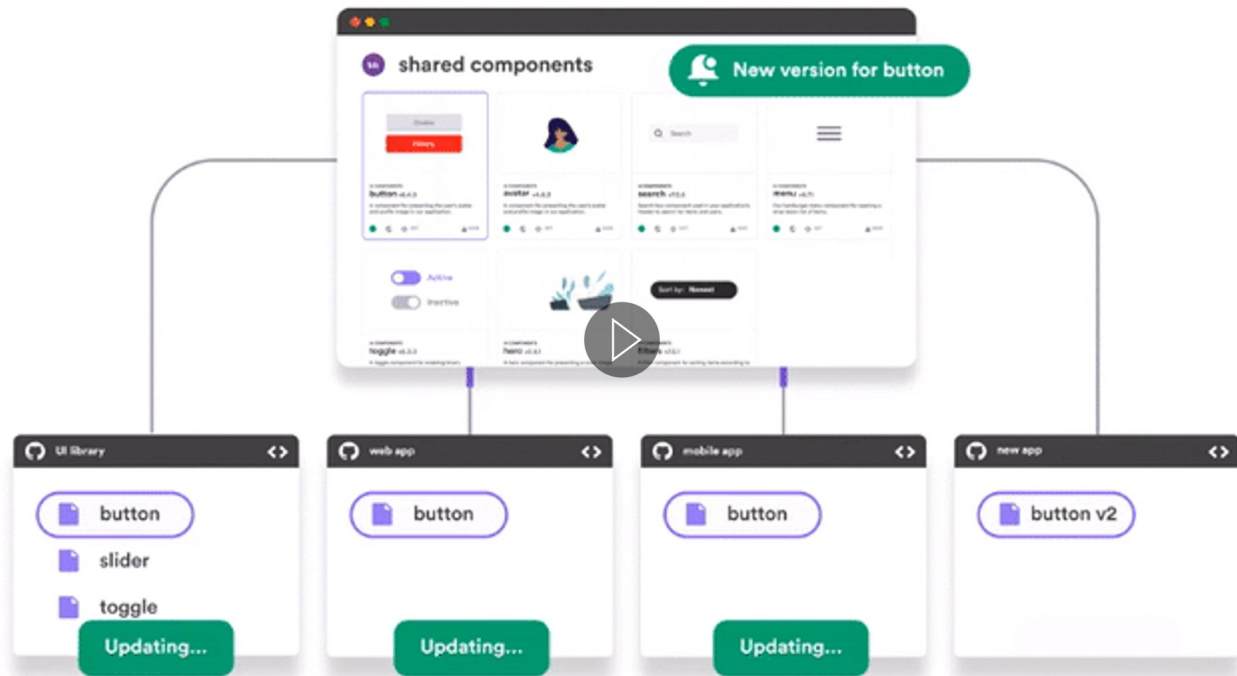- Human Interface Guidelines (Apple)

Example:Design System

Team Collaboration

Designer

Marketing

UI COMPONENTS
avatar v4.6.3
A component for presenting the user's avatar and profile image in our application.
MIT   54KB

UI COMPONENTS
search v7.0.5
Search box component used in your application's header to search for items and users.
MIT   76KB

UI COMPONENTS
menu v6.7.1
Our hamburger menu component for opening a drop-down list of items.
MIT   98KB

Developer

Active
Inactive

30 Quick Vegan Dinners That Will Actually Fill You Up

Sort by: Newest

UI COMPONENTS
toggle v5.3.0
A toggle component for enabling binary selection between options.
MIT   32KB

UI COMPONENTS
hero v2.5.1
A hero component for presenting a cover image in our applications.
MIT   24KB

UI COMPONENTS
filters v7.0.1
A filter component for sorting items according to defined parameters.
MIT   95KB

Product

Continuous Management

Resource for further learning

https://webdesign.tutsplus.com/courses/introduction-to-design-systems

Thanks Everyone