

SITECORE HACKATHON 2023

Best Enhancement to XM
Cloud

SAPPHIRE

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Sitecore Hackathon 2023

Team Name: Sapphire

Meet the teammates!



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Idea Category:

2. Best Enhancement to XM Cloud – Content Hub ONE and NextJS component library.

Summary:

A Content Hub ONE and NEXTJS Component Library has been developed as a part of the Sitecore Hackathon 2023 – Best Enhancement to XM Cloud. This Component Library can be used to develop a basic site in Sitecore Content Hub ONE along with NextJS. As a part of this, the components developed include below

- Header – Logo and Menu Items
- Carousel – Image and Content
- Tabs – Image and Text Tabs
- Portfolio – Images List
- Partner Carousel – Partner Image and Text

- Promo – Text Component
- Image with Overlay Component
- Form – Contact Us Form
- Map – Sitecore Map
- Testimonials – Client Feedback Component
- Footer – Social Links and Text

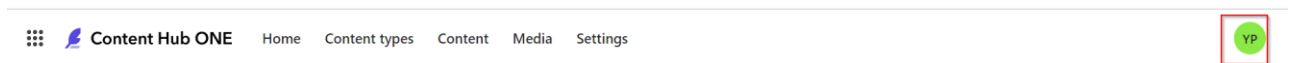
These components can be used to develop a basic website and can be extended for Complex website as well.

Pre-requisites:

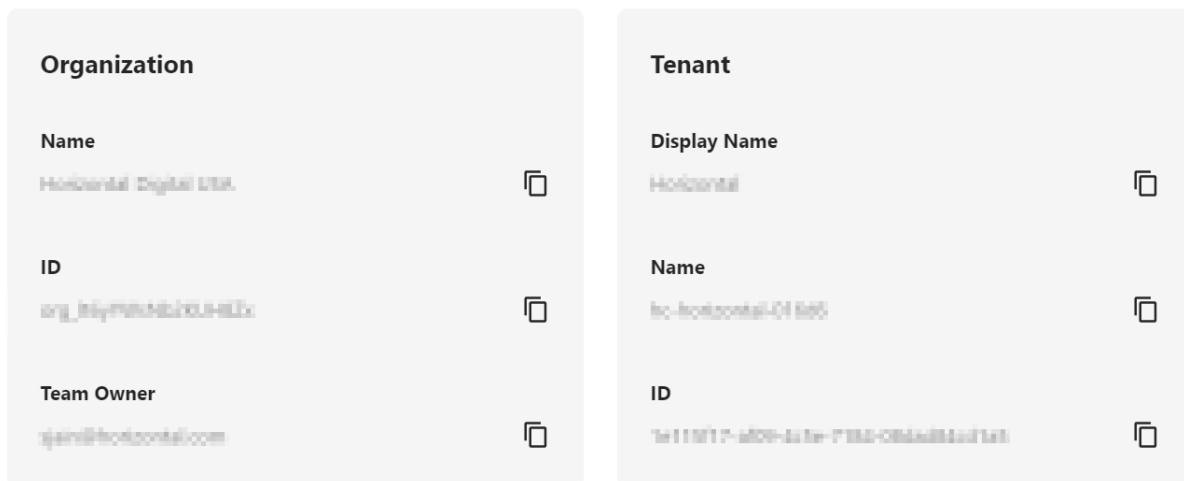
- 1) Content Hub One Instance (<https://content.sitecorecloud.io/>) and access to the tenant.
- 2) GIT Repo access to clone the repository.

Installation steps:

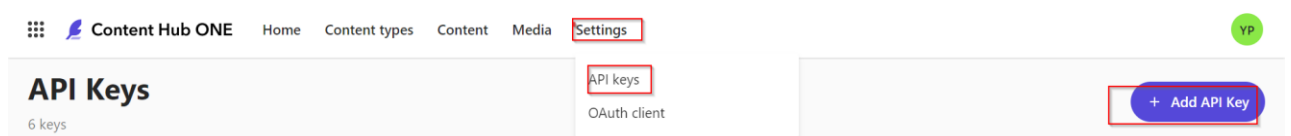
- 1) Login to the Content hub instance using the URL <https://content.sitecorecloud.io/>.
- 2) Check for the tenant access once you login by clicking on your Profile in the CH ONE Ribbon.



The pop up appears as below with the Tenant Details:



- 3) Create an API key in the CH ONE cloud portal by clicking on settings and API keys and Add API Key.



Pop up for API key appears where the name of Key the API whether Delivery or Preview needs to be added.

API key ×

Name *

content-hub-next-js

Type *

☒ Delivery ☐ Preview

NOTE: The API key is seen only once at the time of creation so please note it so it can be added in the .ENV file of the repo.

- 4) Clone the Sapphire-Hackathon 2023 Repo into your local drive using the URL
<https://github.com/Sitecore-Hackathon/2023-Sapphire.git>
- 5) Once the repo is cloned, navigate to the root of your cloned repository, and install npm packages.
 - Here is the **list of packages** that needs to be installed in the cloned repository.
 - 1) npm install
 - 2) npm i @next/font
 - 3) npm i @tiptap/extension-blockquote
 - 4) npm i @tiptap/extension-bold
 - 5) npm i @tiptap/extension-bullet-list
 - 6) npm i @tiptap/extension-code
 - 7) npm i @tiptap/extension-code-block
 - 8) npm i @tiptap/extension-document
 - 9) npm i @tiptap/extension-dropcursor
 - 10) npm i @tiptap/extension-gapcursor
 - 11) npm i @tiptap/extension-hard-break
 - 12) npm i @tiptap/extension-heading
 - 13) npm i @tiptap/extension-history
 - 14) npm i @tiptap/extension-horizontal-rule
 - 15) npm i @tiptap/extension-italic
 - 16) npm i @tiptap/extension-link
 - 17) npm i @tiptap/extension-list-item
 - 18) npm i @tiptap/extension-ordered-list
 - 19) npm i @tiptap/extension-paragraph
 - 20) npm i @tiptap/extension-strike
 - 21) npm i @tiptap/extension-text
 - 22) npm i @tiptap/extension-underline
 - 23) npm i @tiptap/html
 - 24) npm i @tiptap/react
 - 25) npm i @types/node
 - 26) npm i @types/react
 - 27) npm i @types/react-dom

- 6) Once the repo is cloned and packages are installed, you would find a `.env` file where the values must be entered from the CH ONE instance.

Here for the Client ID and Secret, navigate to the Settings in the CH ONE tenant and click on OAuth and get the ID and Secret and add it in the env file.

For the Endpoint URL use the delivery or the Preview API , we are using the Delivery API which is <https://edge.sitecorecloud.io/api/graphql/v1>

pg. 5

7) Install the Content Hub ONE CLI using the following Command.

```
dotnet tool install --global --add-source  
https://nuget.sitecore.com/resources/v3/index.json ch-one-cli
```

Run **ch-one-cli** to validate if the CLI has been installed.

8) Add the CH ONE Tenant using the below Command.

```
ch-one-cli tenant add \  
--organization-id <Organization ID> \  
--tenant-id <Tenant ID> \  
--client-id <Client credentials: OAuth client ID> \  
--client-secret <Client credentials: OAuth client secret>
```

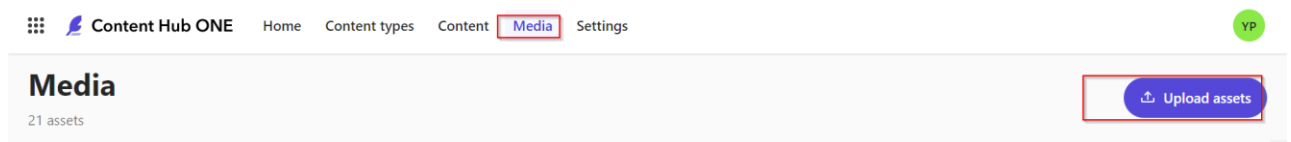
9) Once the tenant has been added, push the below items in the Following Order using the CLI.

- Content Types
- Content Items


Note: Before that the Media Files must be uploaded manually as the CH ONE CLI doesn't support Media Files.

10) To upload the Media Files to the Content Hub ONE instance, Navigate to the Path "Sapphire-Hackathon2023\public\images" in the Repo and upload the Media to the CH ONE Manually.

- To upload into the CH ONE follow below steps:
- Go to Media , Click on Upload assets and the add the media files.



- Once uploaded they are available to use.

| PREVIEW | NAME |
|---|---|
|  | sapphire-high-resolution-color- logo.png |

11) To push the Content Types to CH ONE using the CLI, Navigate to the "serialization" folder path in the Visual Studio Code Integrated Terminal

```
DEBUG CONSOLE  TERMINAL
e\Sapphire-Hackathon2023\serialization> 
```

Run the following command: **ch-one-cli ser push content-type -i "*"**

```
PS C:\ContentHubOne\Sapphire-Hackathon2023\serialization> ch-one-cli ser push content-type -i "*"
No validation errors found

Updating "aboutpage"
Updating "card"
Updating "contactuspage"
Updating "custompage"
Updating "form"
Updating "header"
Updating "imagecarousel"
Updating "imagecarouselslide"
Updating "imagelist"
Updating "imagewithoverlay"
Updating "menu"
Updating "partners"
Updating "portfolio"
Updating "portfoliopage"
```

```
Updating "promo"
Updating "servicepage"
Updating "servicetab"
Updating "servicetabs"
Updating "testimonial"
Successfully pushed all matching paths
```

This command pushes all the Content types in the Repo to the CH ONE Instance. To validate the Content types, login to the CH ONE cloud and check the content types that are created in the CH ONE portal.

| | |
|---------------|--------------------------------------|
| Card | Card Type for the Partners Component |
| Contactuspage | Contact Us Page for the website. |
| Custompage | Homepage for the Website. |
| Form | Form for the Website. |
| Header | Header of Website. |
| ImageCarousel | Carousel Component. |

12) Now, push the content items into the CH ONE using the command:

ch-one-cli ser push content-item -c "menu"

This pushes all the content items related to the content type "menu".

Similarly run the command for Different content types as give below:

ch-one-cli ser push content-item -c "header"

ch-one-cli ser push content-item -c "custompage"

ch-one-cli ser push content-item -c "aboutpage"

ch-one-cli ser push content-item -c "card"

ch-one-cli ser push content-item -c "contactuspage"

ch-one-cli ser push content-item -c "form"

ch-one-cli ser push content-item -c "imagecarouselslide"

ch-one-cli ser push content-item -c "imagecarousel"

ch-one-cli ser push content-item -c "imagelist"

ch-one-cli ser push content-item -c "imagewithoverlay"

ch-one-cli ser push content-item -c "partners"

ch-one-cli ser push content-item -c "portfolio"

ch-one-cli ser push content-item -c "portfoliopage"

ch-one-cli ser push content-item -c "promo"

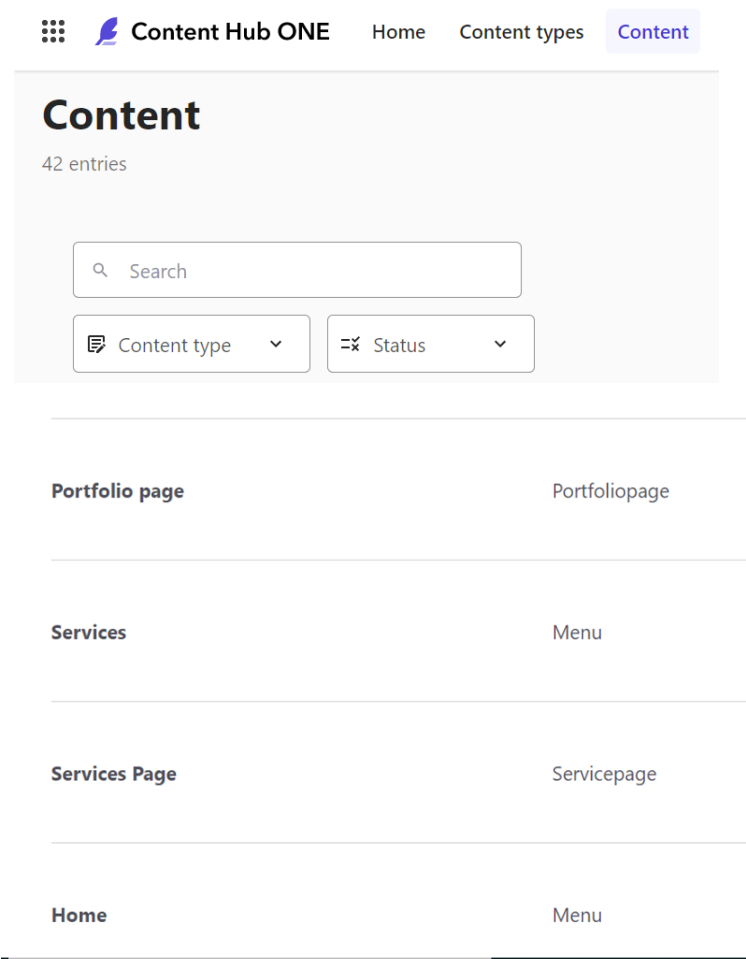
ch-one-cli ser push content-item -c "servicepage"

ch-one-cli ser push content-item -c "servicetab"

ch-one-cli ser push content-item -c "servicetabs"

ch-one-cli ser push content-item -c "testimonial"

To validate the content items in CH ONE Portal check in the Content section



13) As a final step, publish the items in the CH ONE and Run the Application locally:

Go to the Content Hub ONE app and publish in the following order:

1. Content Types

2. Media Items

3. Content Items

Note: If you are approaching the Delivery API items need to be published to be available. Using the preview API, publishing is not required.

To Start the application

Run the development server:

```
npm run dev
```

Open http://localhost:3000 with your browser to see the result.

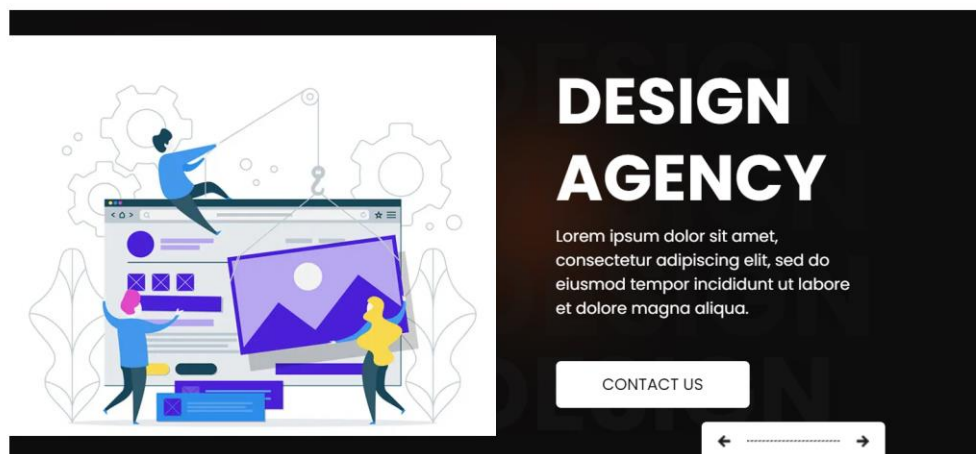
The Application is now up and running in the localhost.

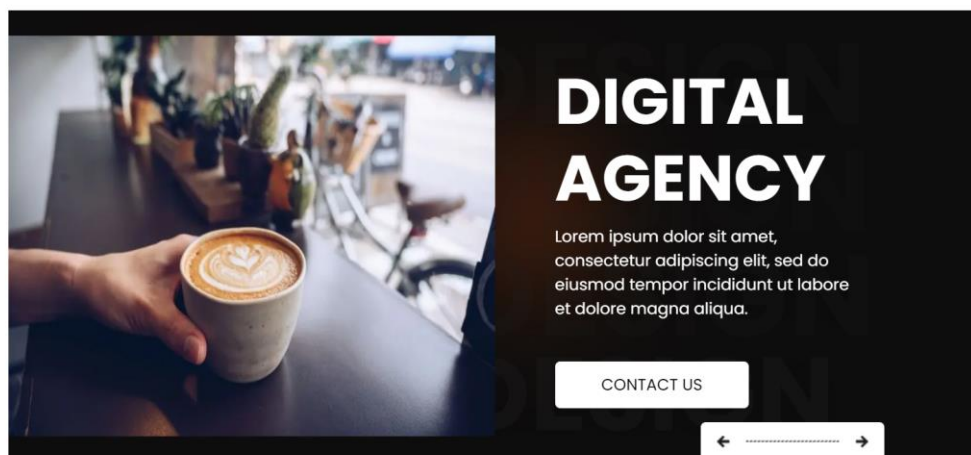
Application screenshots:

- Header – Logo and Menu Items

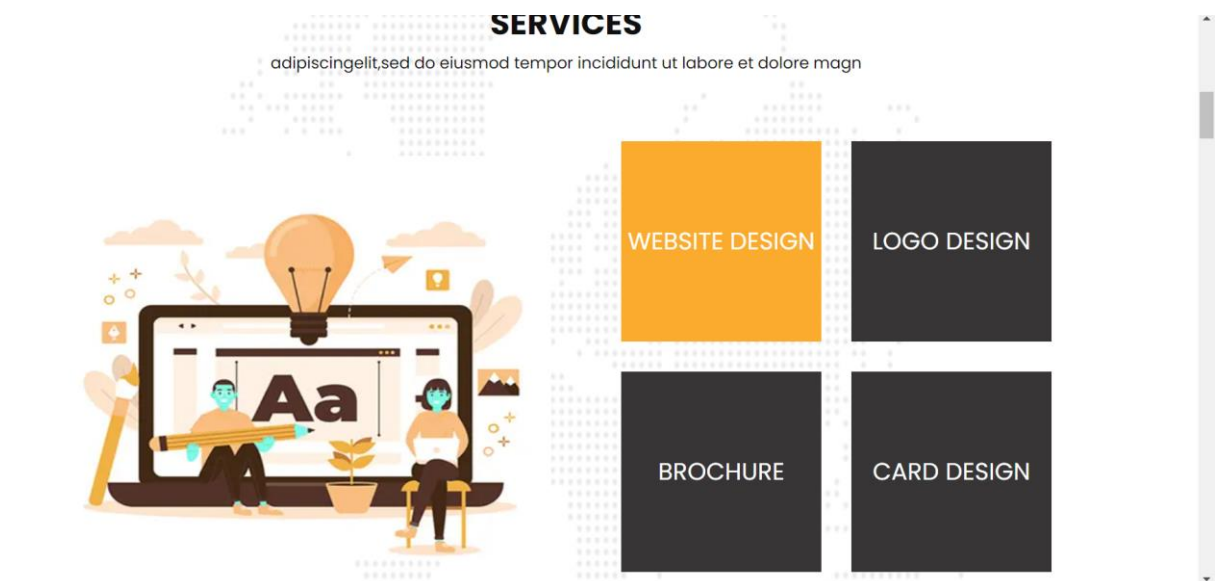


- Carousel – Image and Content



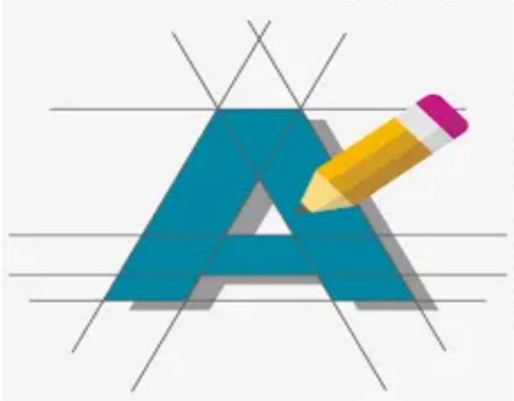


- Tabs – Image and Text Tabs



SERVICES

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WEBSITE DESIGN

LOGO DESIGN

BROCHURE

CARD DESIGN

SERVICES

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WEBSITE DESIGN

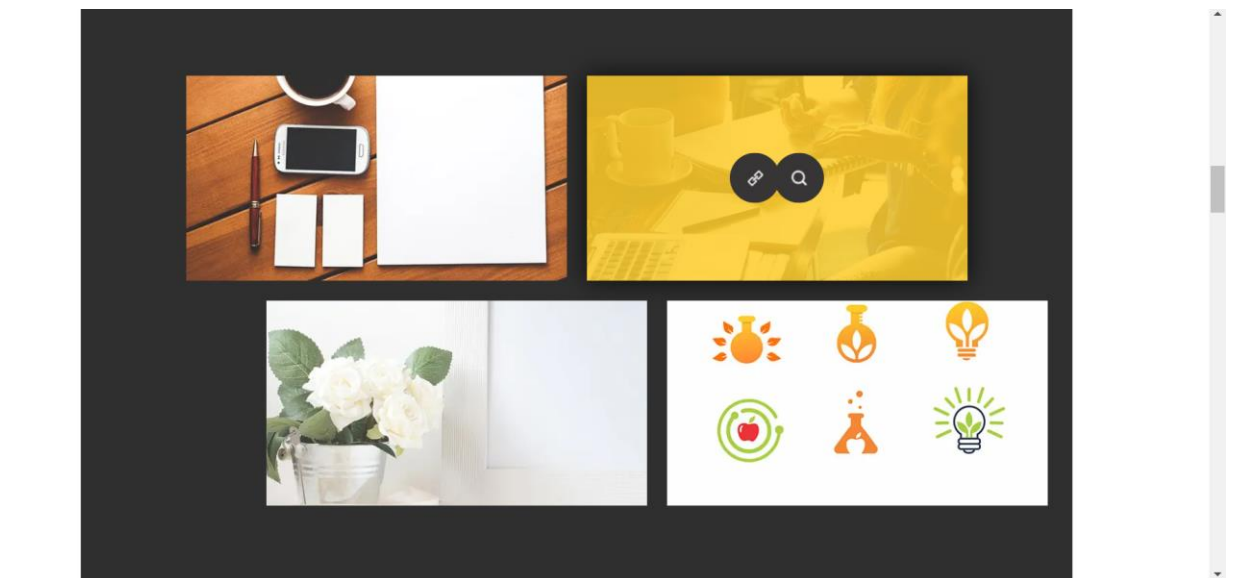
LOGO DESIGN

BROCHURE

CARD DESIGN



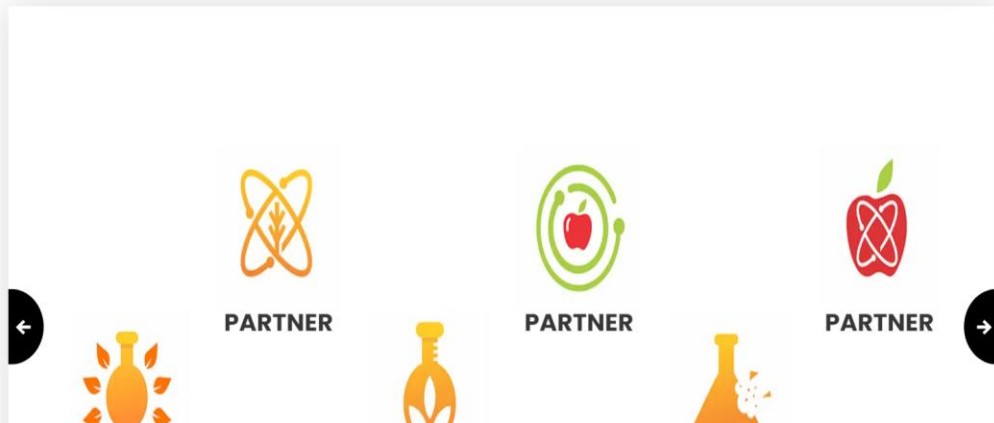
- **Portfolio – Images List**



- **Partner Carousel – Partner Image and Text**

A NEW PARTNER FOR YOUR COMPANY

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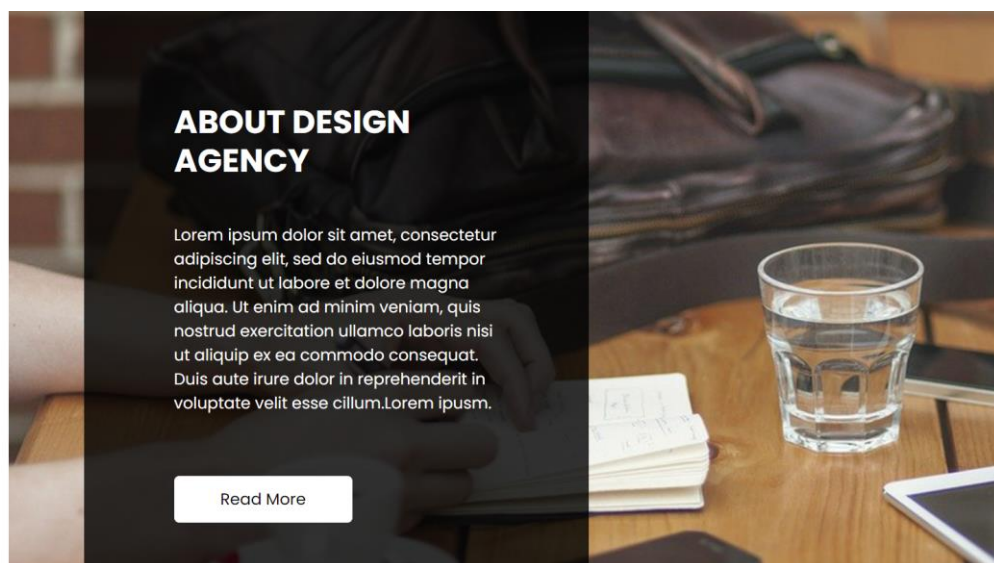
- Promo – Text Component

LETS GET STARTED YOUR PROJECT

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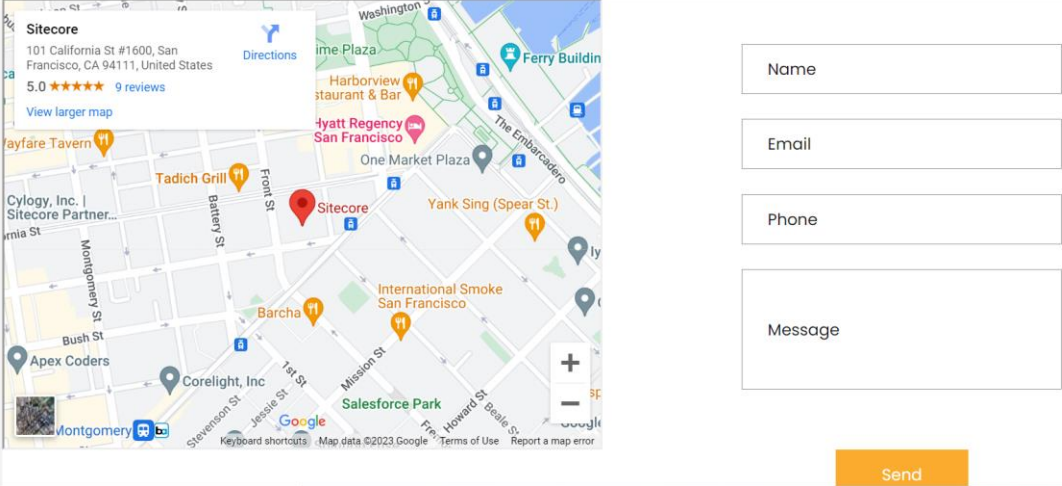
LET'S TALK

- Image with Overlay Component



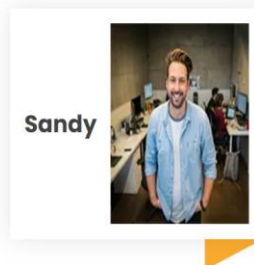
- Map and Form – Sitecore Map and Contact Us Form

CONTACT US



- Testimonials – Client Feedback Component

WHAT SAYS OUR CLIENTS



It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout.



- Footer – Social Links and Text



ABOUT US

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed doLorem ipsum dolor sit amet, consectetur adipiscing elit, sed doLorem ipsum dolor sit amet,

INSTAGRAM

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed doLorem ipsum dolor sit

NEED HELP

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed doLorem ipsum dolor sit amet, consectetur adipiscing elit, sed doLorem ipsum dolor sit amet,

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