Crash Course Into Astro, Kontent.ai and Portable Text.

Kontent.ai

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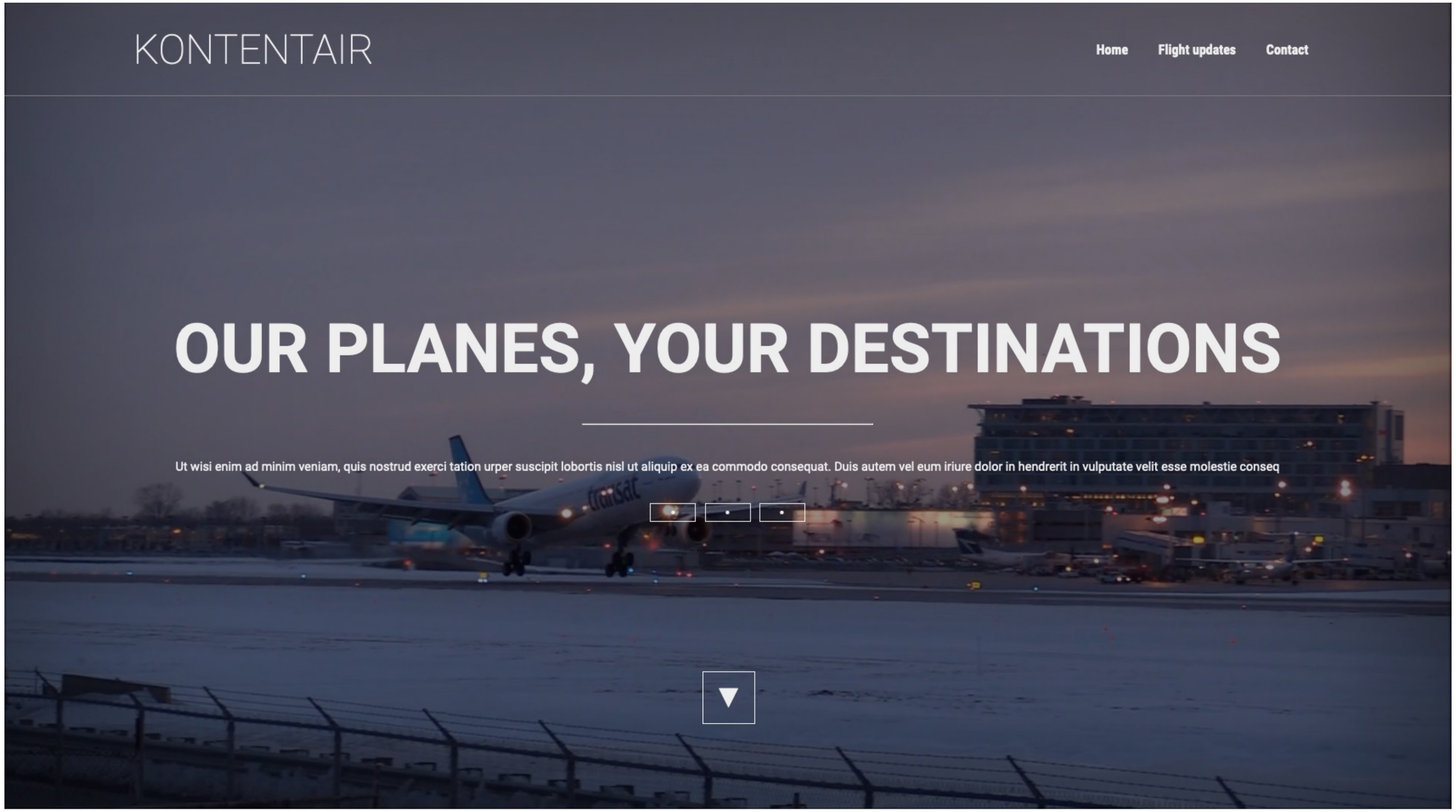
Kontent.ai

Kontent.ai

Today agenda.



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Agenda

- Import content into your CMS project
- Run a blank Astro project
- Create two pages and components in Astro
- Generate strongly typed TS models
- Implement listing page
- Implement rich text resolution on homepage

Important links

- Workshop repository: `https://github.com/ondrabus/react-summit-2023-workshop`
  - Additional links are also in the repository under `links.txt`
- Kontent.ai registration https://app.kontent.ai/sign-up
- Clone the repository now :)

```
git clone https://github.com/ondrabus/
react-summit-2023-workshop
```

What is Kontent.ai?

What is Astro?

Kontent.ai

1/6 Get up and running

- Register for a free plan at https://app.kontent.ai/sign-up
  - You can also use my project if you don’t want to register

- Note the following API keys:
  - Project ID
  - Management API key

- Clone the CLI project, add DEV environment, and run it
  - https://github.com/ondrabus/kontent-air-cli/
  - `npm I`
  - `kontent environment add --name DEV --project-id "<YOUR_PROJECT_GUID>" --api-key "<YOUR_MANAGAMENT_API_KEY>"`
  - `npm run migrate:all`

2/6 Run the empty Astro site

- In the main project, run
  - **npm i**
  - **npm run dev**

- Add two pages
  - Homepage (`/pages/index.astro`)
  - Flights update page (`/pages/flight-updates.astro`)

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3/6 Set up content delivery

- Rename the `.env.template` file to `.env` and provide the project keys

- Add NPM script to generate strongly typed models using `https://github.com/kontent-ai/model-generator-js`
  - The script is under `/src/scripts/generate-models.ts`
  - Run it using `ts-node` (already installed)
  - Generate the files into `/models` folder (create the folder first)

- Install TypeScript SDK
  - **npm i @kontent-ai/delivery-sdk**

- Add `/lib/kontent.ts` file that exports `DeliveryClient instance`

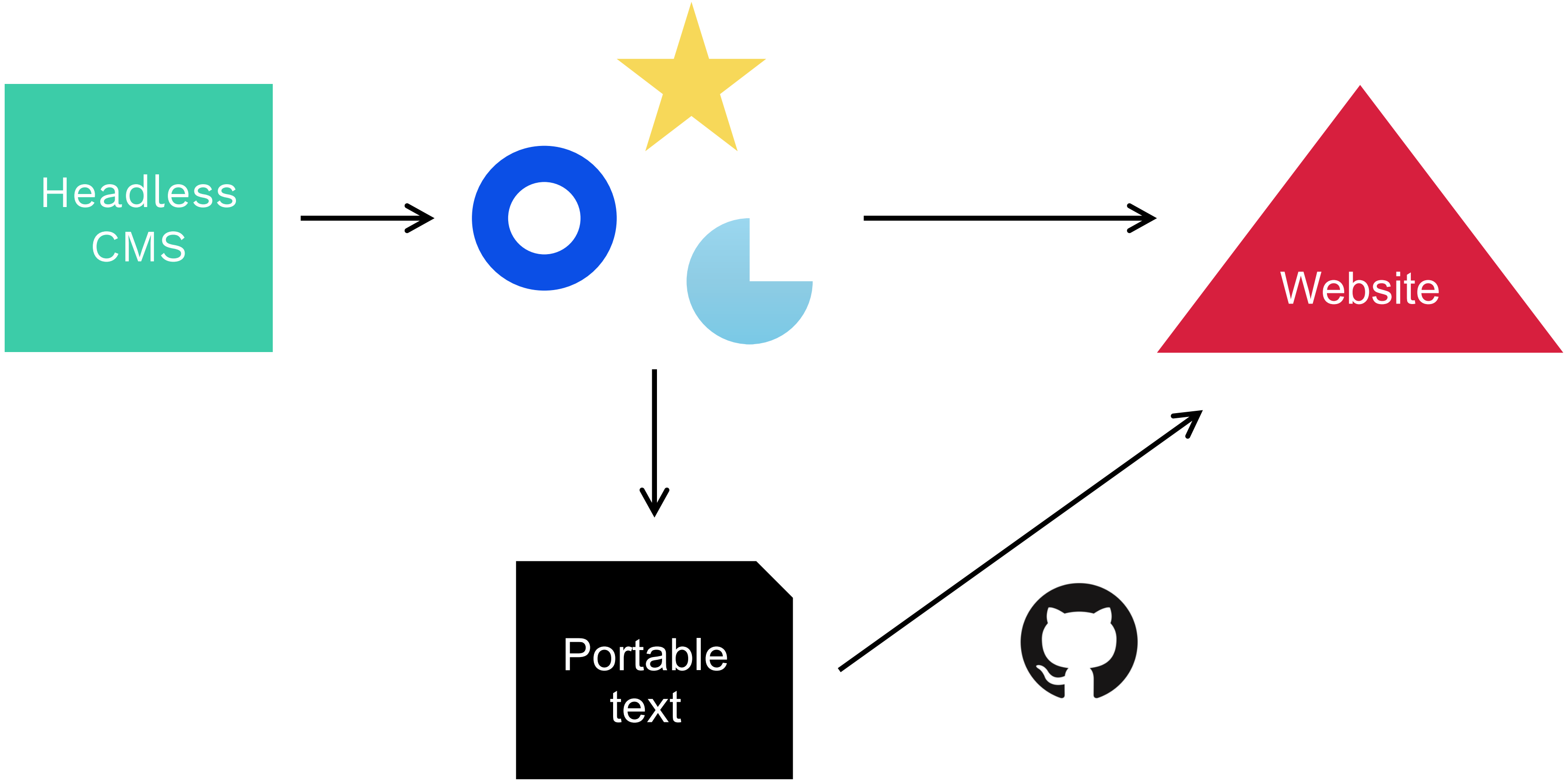
- Edit **FlightsUpdate** component and fetch data from the CMS

- Run the site with **`npm run dev`**

4/6 Add rich text resolution

- Edit `Listing` component and list all destinations using data from the CMS
  - Use `<Fragment set:html={html code} />` for HTML output

What is Portable text?



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5/6 Transform to PortableText

- Transform the rich text field data into Portable text
  - Add NPM package for rich text resolution from https://github.com/kontent-ai/rich-text-resolver-js

    ```
    npm i @kontent-ai/rich-text-resolver
    ```

  - Add NPM package for Portable text to Astro transformation

    ```
    npm i @rshackleton/astro-portabletext
    ```

  - Use <PortableText> component
    - `transformToPortableText` + nodeParse for content

6/6 Add CTA component

- Create new content type “[Component] CTA” in the CMS with two fields
  - Text
  - URL

- Adjust any destination to use this component within its rich text data

- Add resolution logic for the component
  - Add new component `PortableTextComponent`
  - Regenerate types
  - Get `linkedItem` from global context and render respective component

- Check the resolution works with **`npm run dev`**

Good job!

astro 🥰

Get in touch.

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