# CHARTER GO



#### FRONT END TEAM

- **★** Dominic Prince
- **★** Gilbert Spietz
- **★** Sam Atienza
- **★** Steven Busateri

#### **BACK END TEAM**

- **★** Samuel Luke
- **★** Rickey Dendish
- **★** Ivan Barba
- **★** Peyton Triplett
- \* Nicolas Banks







# Final Product

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# FRONT END TEAM



**Dominic Prince** 

**Gilbert Spietz** 

Sam Atienza

Steven Busateri

```
<div className='d-flex justify-content-between align-items-center'>
   <h5>Inspector</h5>
   <button className='btn btn-outline-danger btn-sm' onClick={() => this.handleDeleteBlock(blockUuid)}>Delete block/button className='btn btn-outline-danger btn-sm' onClick={() => this.handleDeleteBlock(blockUuid)}>Delete block
   {Object.keys(config).map((el, index) => {
     if (config[el].type === 'string') {
       return <div className='form-group' key={index}>
        <label>{config[el].name}</label>
         <DebounceInput
          debounceTimeout={500}
          type='text'
          className='form-control'
export default function NarrowSidebar(props) {
  return <div className="icons-wrapper bg-dark-blue d-flex flex-column justify-content-between">
 const submitButton = document.getElementById('submit-btn');
                                                                        <button id="submit-btn">Submit
 submitButton.addEventListener('click', () => {
   fetch(settings.url, { //fetch returns a promise to server that is handled in the .then() a
     // methods, headers, and body from settings
                                                                                                            method: settings.method.
     headers: settings.headers,
     body: settings.body
                                                                                                            *
   .then(response => response.ison()) //response sent to server as JSON
   .then(data => console.log(data)) //log to console
                                                                                                            .catch(error => console.error(error)) //catch any errors
             <div>{this.props.name}</div>
                                                                                                            <button className='btn btn-outline-light btn-sm m-2'>Add block</button>
BlockPreview.propTypes = {
 blockId: PropTypes.string,
  image: PropTypes.string,
 name: PropTypes.string,
 onPushBlock: PropTypes.func,
export default BlockPreview;
```



Samp

Hello

neticals o in tolks a finitus es

Samp

Headers





- Dynamically input forms to change data
- Displays name of block at the top
- Renders updates and deletions
- Sends data to the database on click
- Adds text to the narrow sidebar buttons when you hover over them

• Renders the blocks into the preview bar

```
fou, 22 hours ago 2 authors (Dominic and others)
import React from 'react';
const fs = require('fs');
 ar settings = 🖟
  "url": "https://vj6ip7fj13.execute-api.us-east-2.amazonaws.com/dev/addSection",
  "method": "POST",
  "timeout": 0, //believe this is to not tiimeout
    "Content-Type": "application/json" //indicate we are using JSON data
  //Work on finishing body up
  body: "Hello World",
  "data": JSON.stringify({
    "name": "article1"
fetch(settings.url, { //fetch returns a promise to server that is handled in the .then() and .catch() methods
 // methods, headers, and body from settings
 method: settings.method,
 headers: settings.headers,
 body: settings.body
  .then(response => response.json()) //response sent to server as JSON
  .then(data => console.log(data)) //log to console
  .catch(error => console.error(error)) //catch any errors
```







- Writes to local text file on machine to simulate connection
- Sets up the settings variable
- Fetch function pulls in data set up in the settings variable for API requests
- Future improvements utilize a helper function to improve functionality of submit button in further versions

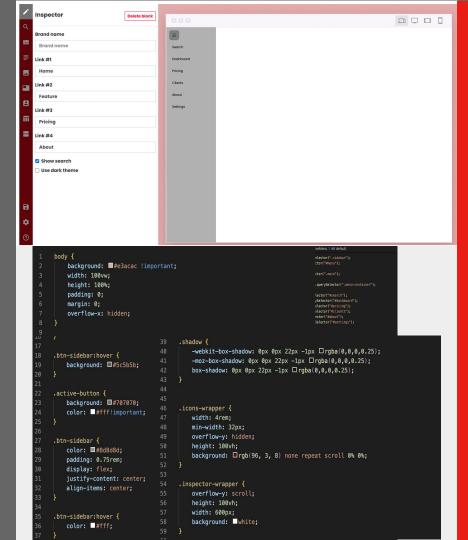






- Worked in Styles.css
  - Improving appearance and theme

- Worked in Navbar 1
  - Horizontal to Vertical
  - Retractable button
  - Matching theme









- Help with integrating front and back end code.
- Tidying syntax.
- Debugging.
- Helped out where I could as the least experienced programmer but watched others and provided input where I could.

**Ricky Dendish** 

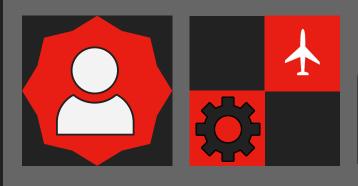
**Peyton Triplett** 

Ivan Barba

**Samuel Luke** 

**Nicolas Banks** 





#### **Ricky Dendish**





#### add Section

and get the name from it.

Then that name gets put into the sections table on the

condition it isn't already

there.

code.

return status headers, and body.

#### "body": ison.dumps(body) return response

"name": name

resp = client.put item(

'name': {'S': name },

'TextContent': {'L' : txtContent }

ExpressionAttributeNames={"#name": "name"}

"headers": {"Content-Type": "application/json", "Access-Control-Allow-Origin": "\*"},

We return status code, headers, and body.

insert\_image We grab section, image\_id, name, description, width,

height, and url data from the body and format it. We

add all this to the images table and add it to the image section of the sections table.

def add section(event, context): data = json.loads(event['body']) We load data from the body imgContent = []

client = boto3.client('dynamodb')

name = '{}'.format(data['name']) #retrieves the name that was passed into this function, and formats it to a string

#here we are adding an item to the images table resp = client.put item(

ConditionExpression='attribute not exists(#name)'. #this checks if the name already exists

'html': {'S': html} Fundating the content column of the section we placed the image in. It will hold the string representing the html image element

TableWame=SECTIONS TABLE, 'name': {'S': section} UpdateExpression='SET ImageContent = list\_append(if\_not\_exists(ImageContent, :empty\_list), :imgContent)', ExpressionAttributeUplues={

def insert\_Image(event, context):

data = json.loads(event['body'])

name = '{}'.format(data['name'])

height = '{}'.format(data['height'])

₹the string representing our html element

'section': {'S': section}, 'simg\_sid': {'S': simg\_sid}, 'name': {'S': name},

'height': {'S': height}, 'width': {'S': width}

'url': {'S': url},

'description': {'S': description},

width = '{}'.format(data['width'])

url = '{}'.format(data['url'])

TableHame=IMAGES\_TABLE,

section = '{}'.format(data['section']) ime\_id = '{}'.format(data['ime\_id'])

description = '{}'.format(data['description'])

≠retrieves the information about the image that was passed into the function

html = '<imp src="'+ url +'" alt="'+ description + '" width="' + width + '" height="' + height + '" />'

':imgContent': {'L': [{ 'S': ime\_id :empty\_list':{'L': []}

"section": section,

"ime id": ime id, 'html' : html

response = {

return response

"statusCode": 200.

"body": json.dumps(body),

"headers": {"Content-Type": "application/json", "Access-Control-Allow-Origin": "\*"},

#### **Ivan**







```
data = json.loads(event['body'])

#retrieving the information about the text element from the data passed into the function section = '{}'.format(data['section'])

text_id = '{}'.format(data['text_id'])

content = '{}'.format(data['content'])

unorderedList = data['ul'] #checks if the user requested an unordered list orderedList = data['ol'] header = data['header']

#here i'm splitting the string on the comma, so that we can access each element individually #if there is a better way to do this feel free to make changes

if orderedList or unorderedList:
    content = content.split(", ")

list_html = ''

#checks if a list was requested, we are generating li elements for each element in the list if unorderedList or orderedList:
    for item in content:
    list_html := 'cll>' + item + '
```

#### insert\_Text pt. 1

First, we parse the the following from the data loaded into this function: section, text\_id, and content. Using the given content we can format it according to the user's preference.

```
if unorderedList == False and orderedList == False and header == False:
elif unorderedList:
   html = '' + list html + ''
elif header:
resp = client.put item(
   TableName=TEXT TABLE.
       'text_id': {'S': text_id},
```

#### insert\_Text pt. 2

After we have the content from the front end, we can place it into one of four possible designations. Paragraph (), unordered list, ordered list, or header.

Then we just add it to our database's text table.







#### **Ivan**







#### client\_update\_item

After adding the content with all the parameters we looked at into the database, then we can update the sections table to reflect the addition of the new text.







#### **Peyton Triplett**







#### getHandler.py

- Define constants for our table names
- Connect to DynamoDB using imported library

```
def get Section Content(event, context):
    section_name = '{}'.format(event['pathParameters']['secName'])
    table0 = dynamodb.Table(SECTIONS TABLE)
    resp = table0.query(KeyConditionExpression=Key('name').eq(section name))
    items = resp.get("Items", None)
    ImageContent = items[0]['ImageContent']
    TextContent = items[0]['TextContent']
    table1 = dynamodb.Table(IMAGES_TABLE)
    table2 = dynamodb.Table(TEXT_TABLE)
       resp1 = table1.query(KeyConditionExpression=Key('img_id').eq(val))
       items1 = resp1.get("Items", None)
       imgList.append({'id':val, 'html':items1[0]['html']})
    for val in TextContent:
       resp2 = table2.query(KeyConditionExpression=Key('text_id').eq(val))
        items2 = resp2.get("Items", None)
       txtList.append({'id':val, 'html':items2[0]['html']})
    sectionContent = {'images':imgList, 'text':txtList}
    response = {
        'statusCode': 200,
        'body': json.dumps(sectionContent)
    return response
```

- get\_Section\_Content retrieves the name and item from the selection table that was passed into the function
- Searches for the matching Image and Text id stored in the table and adds the corresponding HTML to the list
- Returns the updated imgList and txtList







#### **Nicolas Banks**







```
delHandler.py > ...
1  import json
2  import os
3  import boto3
4  import botocore
5  from boto3.dynamodb.conditions import Key
6
7  #These are our Dynamodb tables
8  SECTIONS_TABLE = os.environ['SECTIONS_TABLE']
9  IMAGES_TABLE = os.environ['IMAGES_TABLE']
10  TEXT_TABLE = os.environ['TEXT_ELEMENTS_TABLE']
11
12  dynamodb = boto3.resource('dynamodb', 'us-east-1')
13
14  client = boto3.client('dynamodb')
```

- Define constants for our table names
- Connect to DynamoDB

```
def del_Section(event, context):
    #retrieving what was passed in to this function
    section_name = '{}'.format(event['pathParameters']['secName'])

#deleting the item from the section table that has the same name as what was passed in as secName
table = dynamodb.Table(SECTIONS_TABLE)
resp = table.delete_item(
    Key={
        "name": section_name
}

// response = {
        'statusCode': 200,
        "headers": {"Content-Type": "application/json", "Access-Control-Allow-Origin": "*"},
        'body': "Successfully deleted the section"
}

return response
```

- del\_Section(), del\_Text(), del\_Image()
- Deletes item matching section\_name from SECTIONS\_TABLE
- Latter two are similar, but they also update
   SECTIONS\_TABLE after deleting the text/image







### Issues Encountered



#### **Front End Team**

- Correct connection of front-end to back-end using different programming languages.
- Navbar vertical placement
- Lack of familiarity with AWS and serverless framework.
- Too clunky

#### **Back End Team**

 Lack of familiarity with AWS and serverless framework.



## Future Improvements

#### **Front End Team**

- Front end Navbar Integrated
- More decorated UI and menu for website.
- Help and questions tab.

#### **Back End Team**

• Improved integration with the use of environment variables.

## Thank you!









**Questions?**