SE 492 - sdmay21-22
Project Title: Static Site Generation
Week 6 Report
03.30.21-4.12.21
Client: Buildertrend
Faculty Advisor: Samik Basu

Team Members:
Andrei Baechle - *Meeting Scribe*
Joshua Flory - *Project Manager*
Bennett Ray - *Meeting Coordinator*
Robert Shay - *Development Lead*
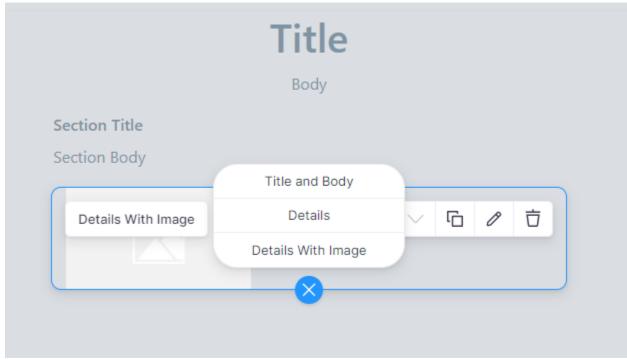Ty Trinh - *Test Engineer*

Past week accomplishments
1. Converted editing forms to inline editing
    - Client want to switch to just using inline editing instead of using both inline and forms
    - Templates now return an inline form that contains a list of potential blocks the user can add to the page
    - When pages are added to the site, they will contain default blocks that will match the mockups from our client
    - Clients can add or delete blocks from a list that fits the content for each page
    - Blocks created:
        i. Details: contains a section header and body
        ii. Details with Image: details block with additional image component
        iii. Image: inline image
        iv. Quote: contains a quote body and author
        v. TitleAndBody: header and body
        vi. Page Link: link to another page
        vii. Page Link List: list of page links
    - Pages now using blocks:
        i. About Us
        ii. Contact
        iii. Employees
        iv. Home
        v. Privacy Policy
        vi. Process
        vii. Services
2. Updated Google Maps integration to use Addresses
    - Originally, it used latitude and longitude because that is the default for Google Maps
    - We integrated another API that converts addresses to latitude and longitude

Updated Templates

```
function About({ site, dispatch }: ITemplateProps) {        Luke Shay,
  const page = findPage(site, "about");

  const formConfig = { ···
  };

  const [, form] = useForm(formConfig);

  usePlugin(form);

  return (
    <>
      <div className="container-fluid">
        <div className="row d-flex justify-content-center">
          <div className="col-8">
            <InlineForm form={form}>
              <InlineBlocks name='blocks' blocks={ABOUTUS_BLOCKS} />
            </InlineForm>
          </div>
        </div>
      </div>
    </>
  );
);
```

Block List

```
const ABOUTUS_BLOCKS = {
  titleAndBody: titleAndBodyBlock,
  details: detailsBlock,
  detailsWithImage: detailsWithImageBlock,
};
```

About Us Page

Base Template with Default Blocks

```typescript
export function aboutTemplate(
  active: boolean
): IPage {
  return {
    title: "About Us",
    url: "/about",
    uniqueId: Date.now(),
    template: "about",
    active,
    content: [
      {
        name: "blocks",
        type: "blocks",
        value: [
          {
            _template: "titleAndBody",
            title: "About",
            body: "Description",
          },
          {
            _template: "detailsWithImage",
            img: {
              src: "/default.png",
              alt: "default"
            },
            details: [
              {
                _template: "details",
                sectionTitle: "Heading",
                sectionBody: "Description",
              }
            ]
```

Custom Theming options using CSS variables

```
15
16     /* Text colors used for color schemes */
17     --text-dark: ■#f4f4f5;
18     --text-light: □#19191c;
19     --text-tranquil: ■#7E94A2;
20
21     /* footer colors used for color schemes */
22     --footer-light: ■#eeeeee;
23     --footer-tranquil: ■#eeeeee;
24
25     /* colors used for the blogs post page */
26     --blogs-tranquil: ■#EFEEEA;
27     --blogs-dark: □#18181b;
28     --blogs-light: ■#f4f4f5;
29
30     /* colors used for the blogs border */
31     --blogs-border-dark: ■#f4f4f5;
32     --blogs-border-light: □#18181b;
33     --blogs-border-tranquil: ■#f4f4f5;
34
35     /* colors used for the individual posts */
36     --blog-post-dark: ■#f4f4f5;
37     --blog-post-light: □#18181b;
38     --blog-post-tranquil: ■#EFEEEA;
39   }
```

Color Picker for accent and possible Color Picker for all types of custom theming:

Company

Company Name *

dsa

Domain *

dasa

Color Scheme *

Minimal

Accent Color *

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Andrei	Practiced JSX and form creation; React	3	11

	fundamentals.		
Joshua	None	0	6
Bennett	Inline Editing Conversion	6	38
Robert	Updated Google Maps integration to use addresses instead of latitude and longitude	4	30
Ty	Custom Theming	5	37

Pending Issues
- Leftover Demo 5 issues
    - Make sure text in iframes are still visible with different themes
    - Add address to longitude/latitude conversion
- Bugs
    - Changing accent color from edit page modal results in an error
- Test some finished issues - All
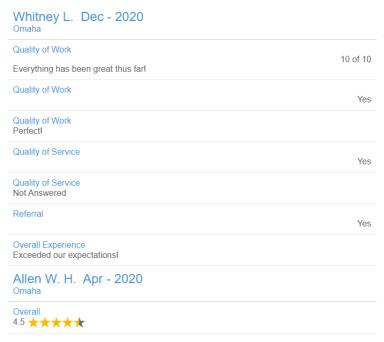   - We still have several issues in our testing columns that need unit tests
    -

Plans for Coming Week
- Build out sample content for remaining pages
    - Pages
        i. Testimonials
    - Blocks are already created, just need to create the template
- BT Reviews Template
    - Template with BT reviews integration (embedded iframe).
    - Example:

Choose us and build with confidence.

Building doesn't have to be stressful. Check out what our customers say about building with us!

Whitney L. Dec - 2020
Omaha

Quality of Work

10 of 10

Everything has been great thus far!

Quality of Work

Yes

Quality of Work
Perfect!

Quality of Service

Yes

Quality of Service
Not Answered

Referral

Yes

Overall Experience
Exceeded our expectations!

Allen W. H. Apr - 2020
Omaha

Overall
4.5 ★★★★★

- SEO Optimization
  - Using https://html.com/seo/ for reference
  - Need to make sure we are using semantic html:
    - Make sure important divs have ids: nav, header, footer
    - Indicate document structure, textual meaning, and media type
    - Need to have meaningful image alt text
  - Need to structure site properly
    - Add page titles and descriptions
    - Use meaningful urls
    - Prevent search engines from indexing wrong pages
- Add ability to revert to previous versions
  - Currently have the ability to edit and view previous site versions, but don't have a way to revert current version without going back and editing the old version first
- Demo Milestone 6 - 04.20.21
  - Sample Content
  - BT Reviews template
  - SEO Optimization
  - Improved versioning