



# Creating the New Face of Buildertrend

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# Project Overview

- Our client Buildertrend is in the process of converting outdated ASP.NET pages into ReactJs
  - This process will make Buildertrend's website easier to maintain and more efficient
- Our team's job is to help Buildertrend convert a minimum of three pages to ReactJs, but we are encouraged to do more if time allows



# Requirements

- A “tech discovery” must be done for every page that we are assigned
  - Tech discoveries require our team to thoroughly test and document the page we are working on
  - This is meant to make sure all functional requirements for the page are captured and easily accessible
  - This is also where we document and explain any new ReactJs components we create
- Our team must test our new React pages using Storybook. The pages are a one-to-one conversion from original webform pages.



## Challenges

- Our team is working entirely remote due to the pandemic. Buildertrend is also working remotely currently, which may affect the availability of our project advisors.
- Last semester, our team received critical feedback on our final presentation stating that the scope of our project was too small
  - The project was approved at the beginning of 491, so our team was troubled by this feedback. We will be meeting with our advisor to see how we can fix this.
- Have not yet received our pages for the semester



## Technical Challenges

- Privacy and intellectual property is a big concern for this project
  - As a result, Buildertrend requires us to use a private VM to access the Buildertrend site and code
  - The VM can be really laggy, which can make the coding process slower
- Often times, our team seems to be randomly locked out of our BT repos and accounts. This can pose a huge problem at times
  - The BT Team Help group is only available during business hours, which means if we are locked out of our accounts, we must wait until the next business day to have the problem addressed



## Our plans for the semester

- Finish a minimum of two pages, ideally more
  - Meet with Buildertrend to receive pages
  - Document the features of the current pages to use in the new ones
  - Code the new pages
  - Work with Buildertrend to work through technical problems that contribute to delayed development
- Meet with our advisor to discuss the scope of our project
- Thoroughly document the processes