

- Break the project into different components and brainstorm for each component individually. You can tackle these components as you are introduced to them; not everything needs to be planned from the start!
- Write pseudocode. Start by stating the problems in plain text, and write down how you could solve them. This will help guide your process and help you understand the problem better once you have the coding tools to implement the solution.
- Begin with the end in mind. Know where you want to go by planning with sketches and functionality ideas so you do not waste time building things that you do not need. Make a todo list!
- Do not hesitate to write throwaway code to solve short-term problems.
- Read the documentation for whatever technologies you use. Most of the time, there is a tutorial that you can follow, but not always. Learning to read documentation is crucial to your success as a developer.
- Commit early and commit often to your git repository. Do not be afraid to break something; you can always return to a previous version.

## Expansion of Magic the Gathering website from SBA 1

- Page 1
  - How to play magic
    - Normal display
    - Basic Info page with pictures and multiple paragraphs
    - Includes pictures that will enlarge when hovered over
- Page 2
  - Learn about types of cards
    - Clickable interface with different items
    - Learn about different card types in Magic the gathering
    - Bootstrap accordion
      - Clicking each image makes it expand and show its content
- Page 3
  - Card pack store
    - Interface where you can buy card packs
    - Add packs to a shopping cart and make a payment at the end
    - Table for display of packs
      - Click on a table section to:
        - Add pack to cart
        - Add price to total
    - Section for cart display
      - List
        - Each item added to cart
        - Will be added to as we go along
      - Header
        - Price display

- Page 4
  - Account signin form
    - A signin form
      - Form
        - Email
        - Password
        - Confirm Password
    - A login form
      - Form
        - Email
        - Password
  - Appropriate Validation will be included