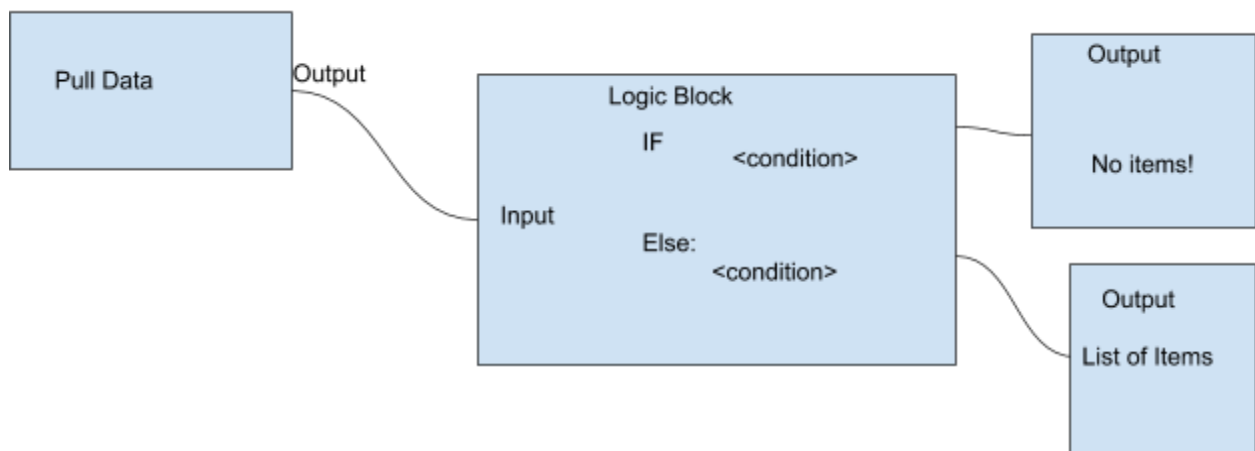Full Stack Challenge

Due Date:

7/21/2018 11:59:59pm

Description:

Build a visual logic prototyping tool that runs in the browser to configure UI and logic dynamically for

building web pages. Pull data from a document store. Build data interfaces for API calls, as blocks into

tool.

Components:

- Visual Programming tool

    ○ Visual programming tool for writing webpage logic

    ○ Should be able to read information from a document database

    ○ Should be able to create HTTP API calls as a source of information

    ○ Here is an example of what it could look like, however the design is up to you:

    ○ It is important that the UI is easy to use and intuitive for even non-technical users

    ○ You want this to be dynamic: don't just think about one use case!

    ○ An example usage is to retrieve a list of Physicians or show an interactive case initiation

      form.

- ○ You can use any framework/existing codebase as long as it is open source. I.E. Angular, Vue, or React.
- ○ For ideas and components look at tools such as invision and proto.io
- ○ Should be able to publish a fully functional web page with its respective backend connections
- Document Database
  - ○ We suggest using MongoDB
- Deliverables
  - ○ Please provide a write up describing what you chose to do, how you did it, and why. (The why is the most important part). This can be substituted with a video walkthrough as long as it answers the same questions.
  - ○ A demo on a publically available service such as AWS or Heroku.
  - ○ Source code (.zip, git, or any file share site)

Have fun! Please reach out to us with any questions.

Ryan Kosiba

   rkosiba@armadahealth.com

Bharath Sudharsan

   bsudharsan@armadahealth.com