Make Requests/Offers

* Allows the user to request or offer aid for a particular disaster. Each request/offer is for a single good, but the user can make a list of requests/offers that are submitted all at once.
* Input: Good type (string selected from search), good quantity (integer), request duration (integer)
* Output: None. Success/failure message is displayed, but no specific data is returned to the user for just this function.
* Good type domain is constrained to existing goods only. User must select from a search list. Good quantity and duration are constrained to positive, non-zero integers by the input. Quantity and duration are defaulted to the minimum value after a user selects a good, and the submit button is inactive until a good has been selected.

Match Requests/Offers

* After a user submits requests/offers, they are taken to a page that matches them to corresponding requests/offers. The input from the user is that they click a “Claim” button next to the request/offer that they wish to claim. They can claim multiple request/offers as long as they are not claiming more resources that they are offering/requesting.
* Output: None. Like before, there is a message to give the user feedback on the success of the underlying operation, but explicit output of the function comes from the user’s dashboard.
* The domain of the matches is constrained by only showing requests/offers that have the same good and disaster as the user’s request/offer. Additionally, only non-expired and non-complete request/offers are shown. Preventing users from claiming more than they need is done by navigating away from the page after a user has fully satisfied their request/offer.

User Authentication