

Production Calculator

Scenario One

Logged-out user starts with empty production chain, adds multiple inputs, removes an input, and clears the chain

1.

- a. Action: The user navigates to the production calculator tab
- b. View: They use a tab in the nav
 - i. Right now, the links in the nav are just buttons; it would be nice to have a cleaner look and feel for them, though

2.

- a. Action: The production calculator is loaded in
- b. View: The user is presented with the view of an empty production chain
 - i. **The menu to submit IRPTU requests is displayed** (could also have a button that shows the menu
 - ii. **The save changes button, and the save slots menu are both disabled because the user isn't signed in** (disabled means not showing at all in this case...could also have them showing, but make it clear somehow that they can't be used until the user logs in)
 - iii. Could display a special message when there are no inputs, such as a short list of instructions guiding the user on how to get started
 - iv. Could have the clear button be disabled

3. **

- a. Action: The user enters the ID of the input they wish to add
- b. View: They enter the ID into a dropdown/search combo menu
 - i. The described menu is used to only show available values, as well as provide an easy search method
 - ii. Could get fancy and make a detailed menu with images for this; the implementation described above is gonna be difficult enough, however

4.

- a. Action: The user enters the amount of the item required
- b. View: They enter the amount into a simple, bounded # input

5. ** (Optional)

- a. Action: The user enters the time unit of the request
 - i. The resulting request could then be converted into the time unit of the loaded factory as a whole
- b. View: They enter the unit type using a dropdown

6. **

- a. Action: The user submits the request
- b. View: They hit the submit button, and the factory is refreshed with the new info

7.

- a. Action: The user submits some more requests
- b. View: The factory is updated with these requests

8.

- a. Action: The user wishes to remove x amount of an input from the factory
- b. View: They locate the IRPTU-removal menu
 - i. A dropdown containing the IDs of the user inputs could be displayed
 - ii. A bounded number input for the amount to remove could also be displayed
 - iii. The menu could be built into each visual input node
 - iv. The user should be able to remove only a part of the input
 - v. Should user inputs be the only removable requests? Could remove portions of the URPS of any given node; would have to be specific about which portion is being removed, since each portion supplies a different node further down the line

9.

- a. Action: The user wishes to clear the loaded factory
- b. View: They click the “clear” button, and the visual factory is reloaded

Scenario Two

Start with scenario 1, but the user navigates away from the FPC view after adding multiple inputs

1.

- a. Action: The user navigates to a different tab
- b. View: The FPC view disappears

2.

- a. Action: The user navigates back to the tab after an indeterminate amount of time and actions
- b. View: ** They are presented with the same view of the factory they left