

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light green. They are positioned diagonally, with the blue one partially covering the green one.

LAP Visual IDE

Limitless Automation Possibilities



Team Info

Andrew

- Gym enjoyer
- Game Maker

Will

- Just another broke college senior
- Javascript flavors aficionado

Jacob

- Big gamer
- Can't wait for semester to be over

Alex

- Music lover
- Programming is "fun"

Wesley

- Gamer (shocking)
- Coding is a lifestyle



Client Info

Blue Ridge Automation

- Develops automation software designed to make monotonous tasks easier
- Notable clients include:
 - Nestle
 - Kroger
 - Ingredion
 - Starbucks
- LAP is their main software that is sold
 - This is what our IDE will be for
 - Helps programmers develop automation code for factories visually and intuitively.



Mentor Feedback

Mid-iteration

- Need better time management
- Likes that we had due dates
- Plan for more tasks

Pre-release

- Pull requests and merge more frequently
- More tests
- Plan well for iteration 4



Client Feedback

Feedback

- Expects more out of us
- Thinks If we want it, we can do it
- Slight visual bugs should be fixed
- Try to be more self sufficient

Use of Software

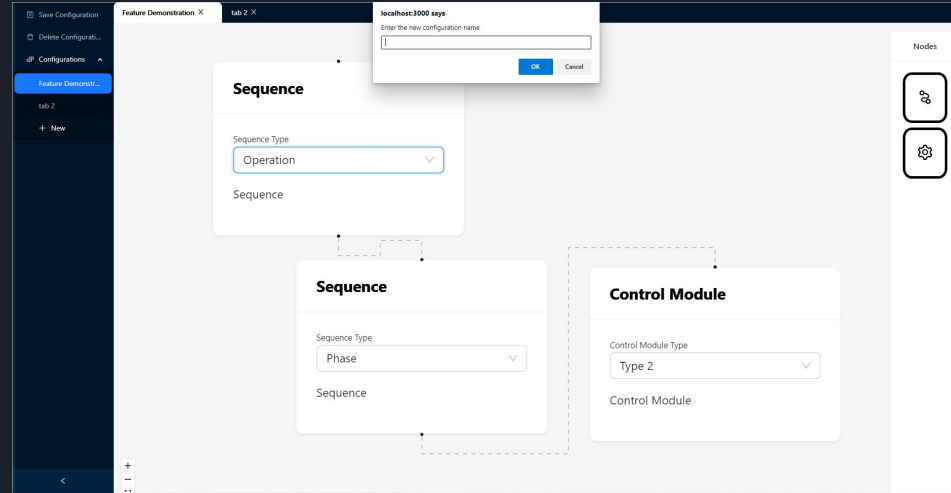
- Null bugs
- Use modals instead of in browser
- Zoom is cut
- Change color lost
- Ask deletions

Iteration 3 Features



FR10: Database Node Saving

[FR10] Upon saving, each sequence and control module on screen will be saved in the database with its respective information. [BR1] [HIGH]#15



FR27: Sequence Drop Down

[FR27] A sequence should have a drop down menu containing a selection of sequence types for the user to choose from

[BR2][HIGH]#37

Sequence

Sequence Type

Operation



Phase

Operation

Operation

Procedure



FR30: Deletion Confirmation

[FR30] Upon clicking the icon to delete a configuration, the user will be prompted to confirm the deletion before the action occurs [FR31][MEDIUM]#40

localhost:3000 says

Are you sure you want to delete this configuration? Unsaved work will be lost

OK

Cancel



FR31: Tab Closing Confirmation

[FR31] Upon closing a tab, the user will be prompted that unsaved changes will be lost[BR2][MEDIUM]

localhost:3000 says

Closing this tab without saving will lose unsaved progress. Are you sure?

OK

Cancel



FR32: Unsaved *

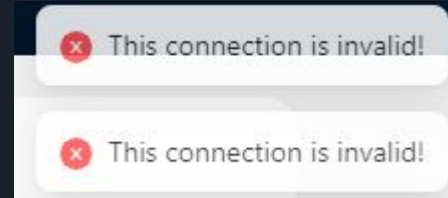
[FR32] When a config file has been changed, an asterisk will be added to it's respective tab's title to show that there are unsaved changes[BR2][LOW]#42



Feature Demonstration X !

FR28: Notify of Bad Connection

[FR28] Upon a user trying to
make an invalid connection, the
user will be notified that the
connection is not possible
[BR2][HIGH]#38





Planned Iteration 4 Features

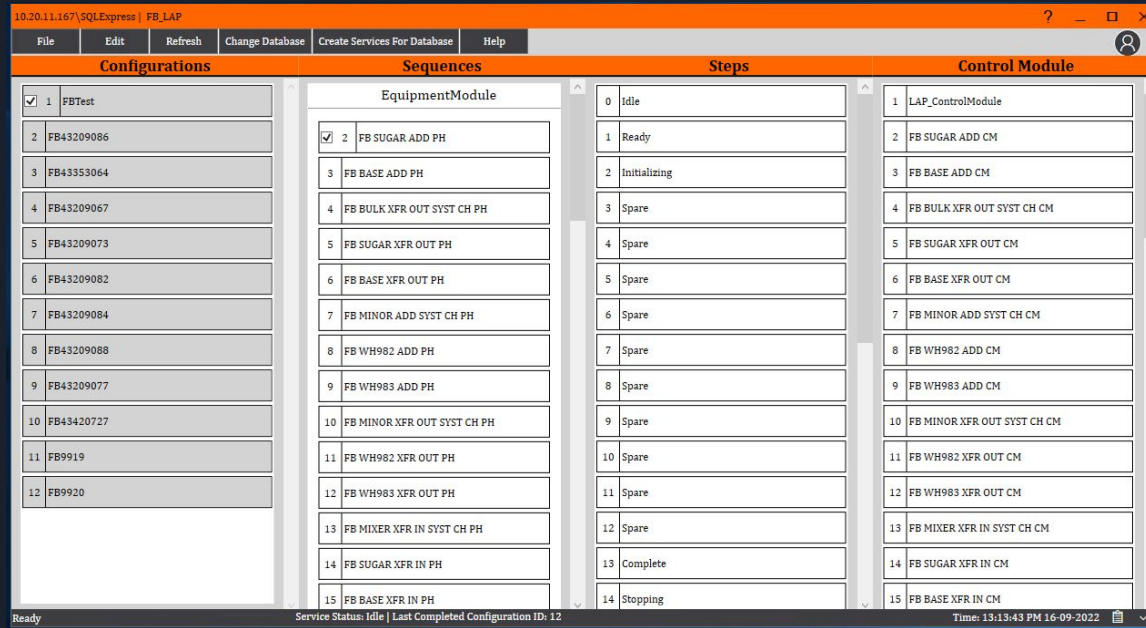
Beginning Steps Implementation

- [FR21] Each sequence node should visually have a menu item to configure the steps and subsequences of that sequence [BR1][HIGH]
- [FR22] Upon clicking the "configure steps" menu item, a new tab will open containing the workspace for that specific sequence [BR1][HIGH]
- [FR23] In the step configuration workspace, there will be a conditional block for every layer of it's parent sequence [BR1][HIGH]
- [FR24] Each step has a pointer to another step or sequence [BR1][HIGH]
- [FR25] User can access configurable settings through a menu on the step node [BR1][HIGH]
- [FR26] The steps will be distinguished from each other through colors [BR2][MEDIUM]

QOL Changes

- [FR33] A user should be able to rename sequences and control modules [BR2][LOW]
- [FR29] Upon a user changing a sequences type, all invalid connections' respective lines will turn red to show that the connection is now invalid [BR2][HIGH]

Benefit to Client



Before our product, the user was required to go through several complex and convoluted sub-menus in order to create one configuration. Our software provides the same functionality in a more visually digestible format. The user will no longer have to have anywhere near as much training in order to use the software.

Random Slide

When you see the exact code
that you're looking for in
StackOverflow.

