

At Bobrick I was tasked with updating their old, outsourced staff suggestion box. Employees could login via OAuth through MS Azure with their email. Then they could add things like safety issues, request updated supplies or equipment, ask for changes in workflow, or make any other suggestion that could improve productivity and safety. The goal was to bring the product in-house in a low code environment. This page of my portfolio will show the UX research process, then the UX design through to prototype, and then building out of the application.

If you would like to jump ahead to an early prototype of this app, you can find that link here: <https://smi-nine.vercel.app/>

Also, the entirety of the code is available in my github here: <https://github.com/jpbria/Smi>

This is what the software looked like in the beginning. The stakeholders wanted to keep most of these fields as well as adding some new ones. Also, to update the form to a modern look and feel with a faster website and in-house backend environment.

The form:

Create a SMI for All Company SMIs

Related Challenge

Title\*

Tip: Keep the title clear and concise

SMI Originator\*

Manual Originator

Owners\*

Division\*

Department\*

Improvement Area\*

Description\*

The list of suggested method improvements:

Create a SMI for All Company SMIs

Related Challenge

SMIS

which were created recently

Dock Lights to alert Drivers when it's clear...

Designated area for Crates

Eyewash cleaning station and biohazard can

Floor Clearance Verification

Once the research was complete, I began wireframes and mockups of the new UX design. Here are some of those examples:

Bobrick

Camco

Bobrick

Camco

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Camco

## SMI-WF-038

User Dashboard

SMIs Saved to Draft

Draft SMIs are deleted after 30 days

011223 Automating Floor Panels

011223 Updating Door Hinges

011223 Adding Bobrick Logo to Door

SMIs Submitted

011223 Automating Floor Panels

011223 Updating Door Hinges

011223 Adding Bobrick Logo to Door

SMIs in Progress

018213 Example title

013253 Example title too

014283 Example title three

SMIs Implemented

011223 Automating Floor Panels

011223 Updating Door Hinges

011223 Adding Bobrick Logo to Door

Design Notes

- This User Dashboard is the Mobile version.
- There is no Manager or Admin function in Mobile view. Those actions are saved for the Tablet/PC view utilizing a full screen, 2 column display.

For Draft SMIs, Users will have 30 days to Submit or the SMI will be auto-deleted.

- Green will signify an SMI under 10 days old
- Orange will mean 10+ days (10-19 days old)
- Red will mean 20+ days (20-30 days old)
- Notifications will go out for Orange, Red, and Deleted SMIs. Deleted SMIs cannot be recovered.

- The Submitted section will show SMIs that the User has submitted.
- For a full list of every SMI ever created by this User, they will need to run a report. OR they can view everything on a tablet/PC screen size view.
  - An expanded dashboard with the full User list and charting tools are planned for a 2.0 update

- SMIs that are in progress are either in progress or in a manager/admin queue for special review

- SMIs that are closed will show a black link but still be active when tapped

## SMI-WF-039

Suggested Methods Improvement (SMI)

Create New SMI

Required fields are outlined in RED

Completed fields are outlined in GREEN

Suggested fields are outlined in BLACK

Originator

Division

Department

SMI Title

Additional Originator(s)

Owner

Improvement Area

Description

Image Upload

Additional Documents

Detailed Cost Savings Calculation

COST SAVINGS

Cost Savings Description

SUBMIT

Design Notes

- This dash outlined box will disappear after 3 logins.
- These are visual cue descriptions to guide the user through the app usage.
- They are app wide for any text fields.

- The app will pull the User's data and display the top-level fields.

- The Additional Originator(s), field is not a required field because the logged in User counts as the main Originator
- The "(s)" is to intuitively present the options for multiple names separated by a comma.
- There is a smaller bit of instruction text included as well for the comma usage.

- Both the Image field and the Additional Documents field are not required so the outlines will always be neutral black.

- The SUBMIT button turns Bobrick blue when all fields are completed and this form is ready to submit.

## SMI-WF-024

Suggested Methods Improvement (SMI)

Create New SMI

Required fields are outlined in RED

Completed fields are outlined in GREEN

Suggested fields are outlined in BLACK

Originator

Division

Department

Example SMI title

Additional Originator(s)

Example Ownersname

Energy Savings

Description

Image Upload

Additional Documents

Detailed Cost Savings Calculation

COST SAVINGS

Cost Savings Description

SUBMIT

Design Notes

- This dash outlined box will disappear after 3 logins.
- These are visual cue descriptions to guide the user through the app usage.
- They are app wide for any text fields.

- The app will pull the User's data and display the top-level fields.

- Both the Image field and the Additional Documents field are not required so the outlines will always be neutral black.

- The SUBMIT button turns Bobrick blue when all fields are completed and this form is ready to submit.

Here's a preview of the Specifications Document that was made before coding started: <https://djsynz.com/jeremy-parker/files/specdoc.pdf>

