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# Gourd Guardian Spirits in the Gardens

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# **T**eam Members

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# Event Preparation

## Time Consuming

- Lots of Data Entry; 1500+ Stencil Entries
- Hard to search and input/update data

	A	B	C	D	E	F	G
1	#21 - TRADITIONAL PUMPKINS						
2	ID #	Title	Website	Printed	Cut	Traced	Carved
3	21-1	Age of the Zombie Pumpkins	ZP	1	1	1	1
4	21-2	Bat Cave	ZP	1	1	1	1
5	21-3	Dawn of the ZP!	ZP	1	1	1	1
6	21-4	Demi	ZP	1	1	1	1
7	21-5	Face of the Minions	ZP	1	1	1	1
8	21-6	Hammy	ZP	1	1	1	1
9	21-7	Halloween Movie Jack	ZP	1	1	1	1
10	21-8	Horton	ZP	1	1	1	1
11	21-9	Heartless Jack O Lantern	Yarchuck	1			
12	21-10-A	Misfortune Teller	ZP	1	1	0.5	0.5
13	21-10-B	Misfortune Teller (crystal ball)	ZP		1	0.5	0.5
14	21-11	Jack the Knife	ZP	1	1	1	1
15	21-12	Jasper	ZP	1	1	1	1
16	21-13	Keaton	ZP	1	1	1	1
17	21-14	Minecraft Pumpkin	ZP	1	1	1	1
18	21-15	Morty	ZP	1	1	1	1
19	21-16	Night of the ZP!	ZP	1	1	1	1
20	21-17	Puking Pumpkin	ZP	1	1	1	1
21	21-18	Monocle Top Hat	Stoneykins	1	1	1	1
22	21-19	Revenge of the ZP!	ZP	1	1	1	1



# Problem Statement

## Problem

- Keeping track of pumpkins using a spreadsheet is inefficient.
- Long queue of volunteers waiting line.
- Do not know how many pumpkins have been finished/remaining.
- Create a report and calculate number by hand.

## Solution

- Web application that both the event organizers and volunteers can use to update their pumpkin statuses and more.



# Goals

- The complete web application improves the workflow of the event.
- The application can handle the workload.
- An easy-to-use application with a User-friendly experience.
- Handle all issues related to the application during the event.
- Data is securely stored.



# Requirements

- Stencil management
  - Add / edit/ view / search for stencils
  - Select stencils for different year & week
  - Update stencils status efficiently during event
  - Track the progress of the stencils
- Accessible via both desktop and mobile
- Maintainable for years to come



# Design Context

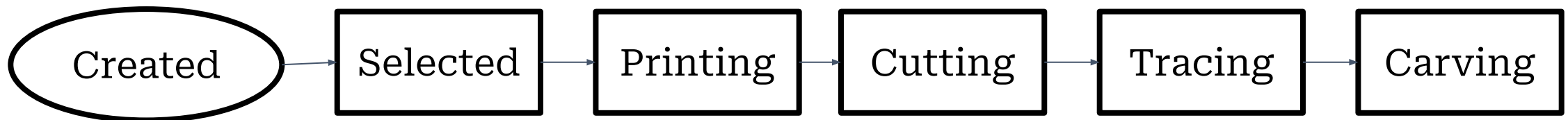
## Volunteer Admins

- Create/Edit/Delete/View/Update stencils
- Select stencil for an Event
- Specify which week used
- Sort & Filter stencils
- Search stencil by code



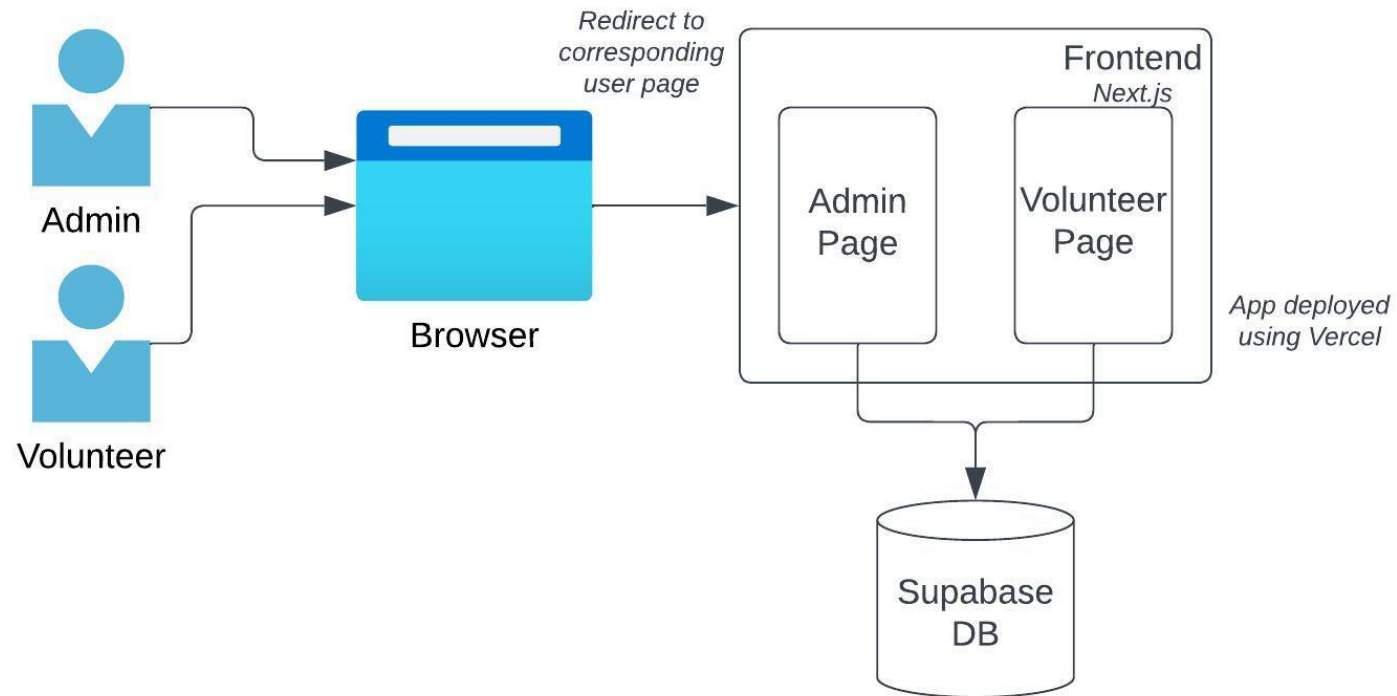
*Stencil  
Management*

- Additionally: Update stencil status



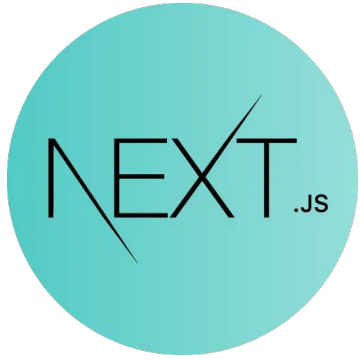
*Stencil Stages*

# Design Overview





# Tech Stack



**React with Next.js**  
*Development Framework*



**Web application**  
*Accessed through desktop and/or  
mobile browser*



**Vercel**  
*Deployment*



**Supabase**  
*Database Management*

# Schedule

		8/28	9/4	9/11	9/18	9/25	10/2	10/9	10/16	10/23	10/30	11/6	11/13	11/20	11/27	12/4
Tasks	Pre-492	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Setup development environments																
Create detailed screen sketches																
Create database schemas																
Setup CI/CD																
First sprint iteration (to use for event)																
Testing during the event																
Second sprint iteration (remaining functionality)																
Final testing																

# Current Progress

- [Gourdguardian.vercel.app](https://Gourdguardian.vercel.app)
- [Gourdguardian.vercel.app/admin/status](https://Gourdguardian.vercel.app/admin/status)

**GourdGuardian** 1512 / 1576 VolunteerLocks Status Logout

Mode: Tracing  Quick Confirm Add Week to Stencil Show PDF

Year: 2023

Week: 1 2 Both

Confirmed: Not Confirmed Is Confirmed

Status: Not Started In Progress Completed

SID	Week	Title	Tracing Start	Tracing End	Tracer	Confirm?
1-1	1	Abrams A1 Tank				<input type="checkbox"/> Tracing Unconfirmed
1-2	2	Arches National Park	10/06, 04:36 PM	10/06, 05:13 PM	nicholas tost	<input checked="" type="checkbox"/> Tracing Confirmed
1-3	1	Bull Rider			No Tracer	<input checked="" type="checkbox"/> Tracing Confirmed
1-4	2	Cowboy			No Tracer	<input checked="" type="checkbox"/> Tracing Confirmed
1-5	2	Fire Fighter			No Tracer	<input checked="" type="checkbox"/> Tracing Confirmed
1-5	1	Fire Fighter			No Tracer	<input checked="" type="checkbox"/> Tracing Confirmed
1-6	1	Cowgirl	10/04, 12:56 PM	10/04, 12:56 PM	tricia luick	<input checked="" type="checkbox"/> Tracing Confirmed
1-7	2	Golf			No Tracer	<input checked="" type="checkbox"/> Tracing Confirmed
1-8	1	Humvee	10/04, 01:46 PM	10/04, 02:22 PM	tricia luick	<input checked="" type="checkbox"/> Tracing Confirmed
1-9	2	Model T Ford			No Tracer	<input checked="" type="checkbox"/> Tracing Confirmed
1-10	2	One Small Step for Man			No Tracer	<input checked="" type="checkbox"/> Tracing Confirmed
1-10	1	One Small Step for Man	10/04, 01:21 PM	10/04, 01:21 PM	nic bulver	<input checked="" type="checkbox"/> Tracing Confirmed
1-14-B	2	Carousel Horse			No Tracer	<input checked="" type="checkbox"/> Tracing Confirmed
1-14-A	1	Carousel Horse			No Tracer	<input checked="" type="checkbox"/> Tracing Confirmed
1-15	1	Harley Davidson Logo			No Tracer	<input checked="" type="checkbox"/> Tracing Confirmed



# Testing

sid	week	tracing_start	tracing_end	tracing_by
"11-46"	2	"2023-10-06 15:43"	"2023-10-06 15:43"	"lauren"
"11-66"	2	"2023-10-06 16:54"	null	"Gabriel"
"21-20"	2	"2023-10-06 17:12"	"2023-10-06 17:21"	"brenna"
"21-126-B"	2	"2023-10-06 15:30"	"2023-10-06 15:30"	"laurrn"
"17-7-B"	2	"2023-10-06 14:39"	"2023-10-06 15:00"	"jill"
"17-13-B"	2	"2023-10-06 14:15"	"2023-10-06 14:27"	"jill"
"18-5"	2	"2023-10-06 15:04"	"2023-10-06 15:22"	"jill"
"21-123"	2	"2023-10-06 16:52"	null	"Anjali"
"1-8"	1	"2023-10-04 13:46"	"2023-10-04 14:22"	"tricia luick"
"22-18-J"	2	"2023-10-05 17:03"	"2023-10-05 17:26"	"enmanuel guerrero"
"22-17-E"	1	"2023-10-04 12:10"	"2023-10-04 12:30"	"megan osborne"
"11-33-B"	1	"2023-10-04 13:01"	"2023-10-04 13:20"	"bryn"
"3-23-A"	1	"2023-10-05 18:51"	"2023-10-05 18:54"	"teya"
"3-16-F"	1	"2023-10-05 18:30"	"2023-10-05 18:43"	"madi dohrn"
"2-7"	1	"2023-10-06 16:07"	"2023-10-06 17:37"	"riley williams"



# Technical Challenges

- Ensuring that the web application improves the workflow of the event.
- Being intuitive to use with no prior instructions.
- Handling many edge cases that may arise during the event





# Next Steps

- Stencil Selection process (Mid Nov.)
- Auto Print Stencils (Dec.)
- Update Stencil Data



A collection of carved and lit jack-o'-lanterns in various shapes and sizes, glowing in the dark. The pumpkins are arranged in a dense group, with some in the foreground and others in the background. The light from the candles inside the pumpkins creates a warm, orange glow. The word "Questions?" is overlaid in the center of the image.

**Questions?**



*Frightful and Delightful,*

*it's a  
big*

*thank you!*

