

CSCI 1300 Capstone Project: Redesigning Apple Picking Reservations
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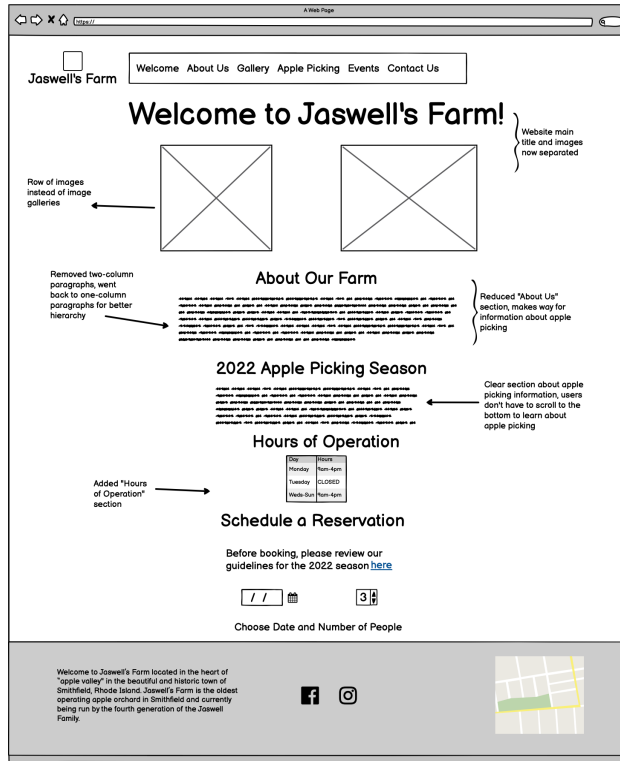
Abstract

For my capstone project, I expanded on an assignment given in CSCI1300: User Interfaces and User Experience to select an existing website and improve on its design and usability using HTML and CSS. First, I created low-fidelity and high-fidelity designs to improve upon the website for Jaswell's Farm, an apple orchard in Smithfield, RI (website [here](#)). I took my designs to create a newly-designed website that can be used on a variety of screen sizes.

I expanded upon my original website by adding functionality to make a reservation for apple picking using React and Material UI, to mirror the ability to make apple picking reservations offered during the fall season on the farm's website. I inserted a React component in place of the non-functional reservation section of my original website. Using both React and Material UI, I placed a date/time picker and a "Make Reservation" button, which users can click on to make a reservation. If the user selects a time and date when the farm is open (i.e. within Hours of Operation listed on the website), a dialog box pops up on the user's screen asking for the user to confirm their reservation. After pressing the button to confirm their reservation, a snackbar icon appears to acknowledge the user's reservation. If the user selects a time and date when the farm is closed, an alert snackbar icon informs the user of their invalid reservation.

Finished website here: <https://coolcapbara420.github.io/developmentHW/>

Faculty Sponsor: Jeff Huang



Low-fidelity (above) and hi-fidelity (below) desktop website designs



Home About Us In Season Farm Events Gallery Shop Store

Make a Reservation

Before making a reservation below, please read our apple picking guidelines [here](#)

of people
3

Date
01/30/2023

Time
03:19 PM

MAKE RESERVATION

Interface for making a reservation

Make a Reservation

Before making a reservation below, please read our apple picking guidelines [here](#)

of people
3

Date
01/30/2023

Time
03:19 PM

MAKE RESERVATION

Make Reservation?
Are you sure you want to make this reservation?

CONFIRM RESERVATION

Dialog box popup after clicking “Make Reservation” button

Make a Reservation

Before making a reservation below, please read our apple picking guidelines [here](#)

of people
3

Date
01/30/2023

Time
03:19 PM

MAKE RESERVATION

Hours of Operation

Monday	9am to 4pm
Tuesday	Closed
Wednesday to Sunday	9am to 4pm

Reservation confirmed! ✕

Success snackbar icon after clicking “Confirm Reservation” button