



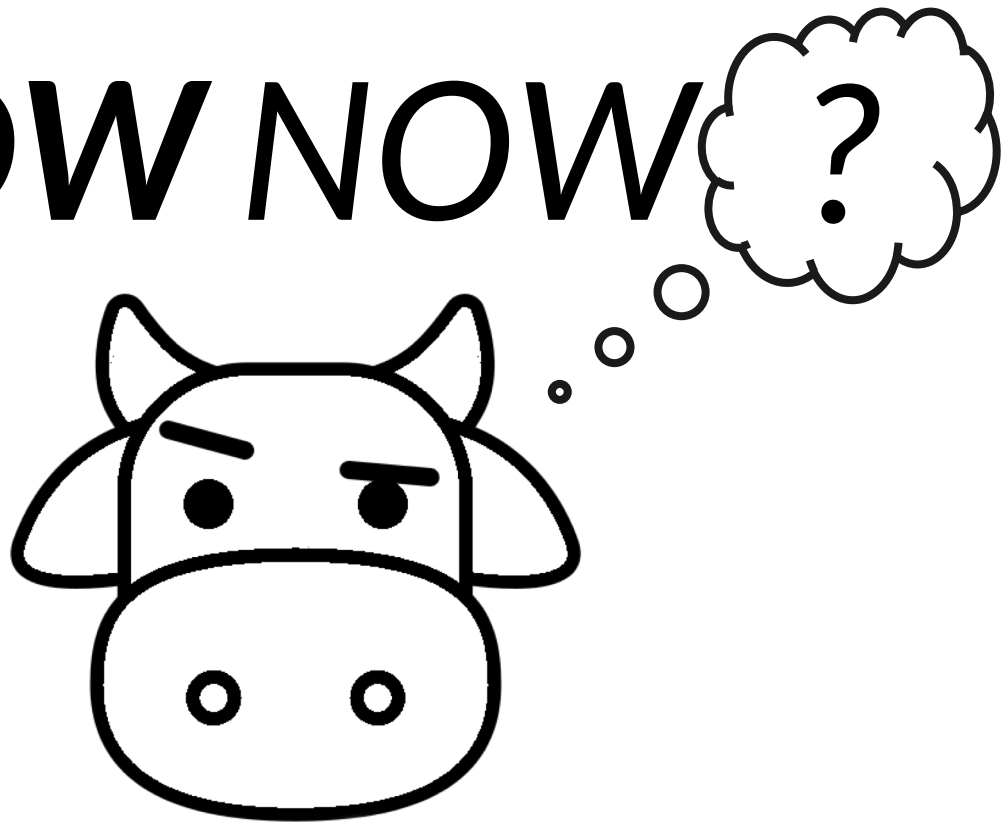
hassle-free club recruiting

Part B Update

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Where is

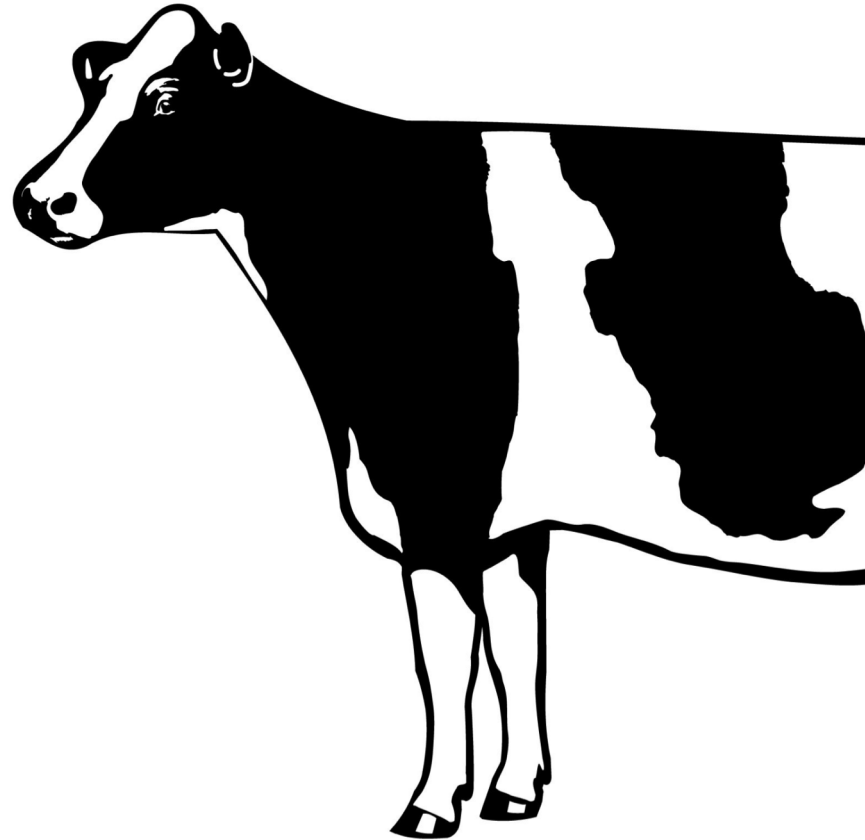
ZOW NOW



Front End

Zow is now equipped with the following front end features:

- Login Page
- Homepage / Front end routing
- Form creator
- Form viewer
- Interview scheduler
- Summary Page



Back End

Zow is now equipped with the following back end features:

- End-to-end authentication
- An email update system
- Applicant summary view
- Organized schema
- Login functionality

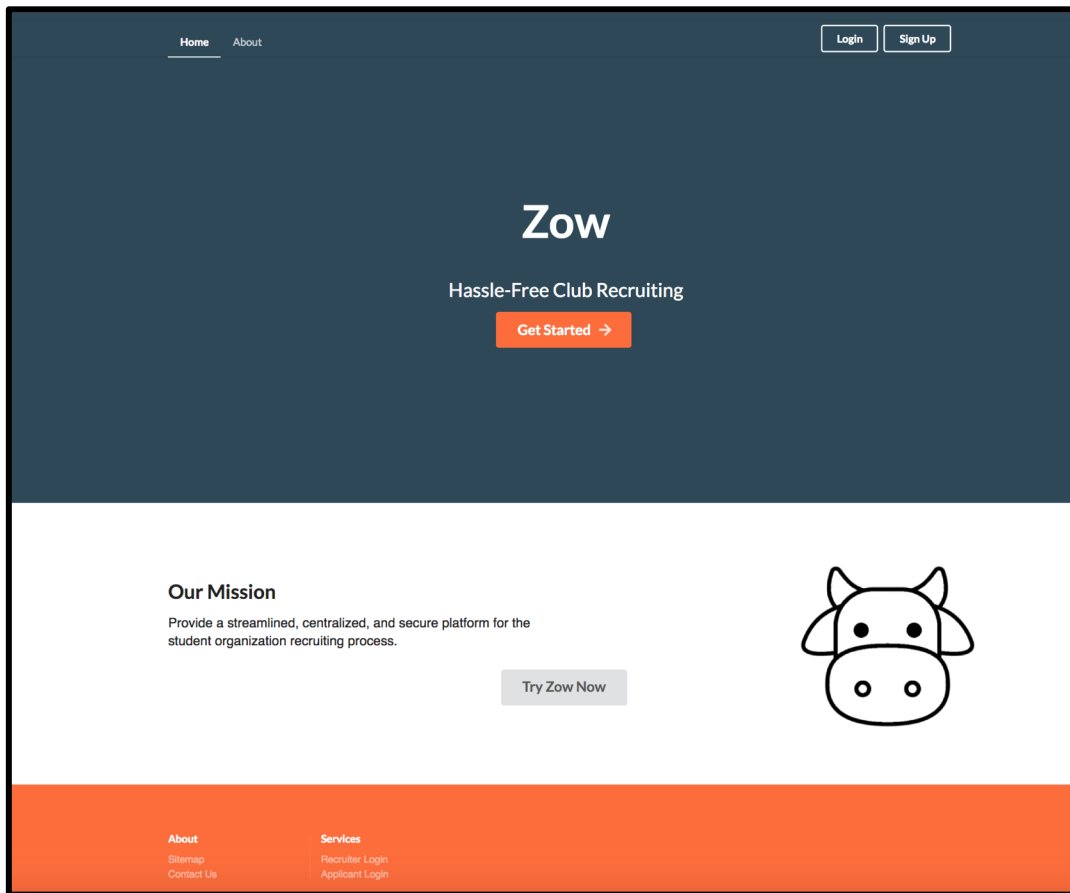




Design

Homepage

- Utilizes Semantic UI
- Frontend Routing adds slugs for each page and then links to them
 - Form Creator
 - Form Viewer
 - Summary View
 - Applicant Scoring
 - Interview Scheduler



Form Creator (Recruiter)

- Two mandatory fields:
 - Form Name
 - Email Question
- Choose from a variety of question types:
 - Phone Question
 - Short Text
 - Long Text
 - Radio Button
 - Checkbox
 - Dropdown

Create Form

Business Analytics Club Application

Please enter your email address:

example@ucla.edu

Which of the following positions are you interested in?

Intern

Treasurer

Secretary

Vice President

Add radio button option

Add New Question

Phone

Short Text

Long Text

Radio Button

Checkbox

Drop Down

Publish

Form Viewer (Applicant)

View form as it will be displayed to applicants.

My Sample Form

Name *

Christopher

Phone *

(310) 123-4567

Email *

notanemail@\$\$^&*()

Invalid Email

Favorite Color *

Answer

You may select only one. *

☒ One answer

☐ 1-way street

☐ I won!

Which state is the best state? *

this.state

Select multiple of these options. *

☒ You can pick me

☒ And me

☐ And also me

☐ Pick all of us!

Submit

Applicant Summary (Recruiter)

Table populated with data from forms submitted by applicants.

Checkboxes enable the recruiter to interact with multiple applicants at once.

- Email
- Score
- Interview
- Approve
- Reject

Summary View

☒ Select All

☐ Deselect All

☐ Email

☐ Score

☐ Interview

☒ Approve

☒ Reject

	Name	Phone	Email	Favorite Color	Tell me a bit about yourself.	Favorite Icecream	You may select only one.	Which state is the best state?	Select multiple of these options.	Status
<input type="checkbox"/>	Mushroom	Rocky Road	Mushroom	This is a sentence.	Mushroom	This is a sentence.	A word	Eggs	Rocky Road	Pending
<input checked="" type="checkbox"/>	Is this a question?	Mushroom	Mushroom	Mushroom	A word	Eggs	Mushroom	Eggs	Eggs	Pending
<input type="checkbox"/>	Rocky Road	Mushroom	Mushroom	Sample input	This is a sentence.	Eggs	Mushroom	Mushroom	Eggs	Pending
<input type="checkbox"/>	Eggs	Mushroom	A word	Sample input	Another word	Mushroom	Sample input	Eggs	Is this a question?	Approved
<input type="checkbox"/>	Mushroom	Sample input	Rocky Road	A word	This is a sentence.	Rocky Road	Another word	Sample input	A word	Rejected
<input type="checkbox"/>	Mushroom	This is a sentence.	Rocky Road	Rocky Road	Sample input	Sample input	A word	A word	Eggs	Rejected

Applicant Scoring (Recruiter)

- View an applicant's form and score them individually
- Scores are averaged and then show up in the summary view

Score Candidate

This candidate is alright, but let's be honest he could be better.

★

★

★

★

★

Score

My Sample Form

Name *

Mushroom

Phone *

A word

Email *

Interview Scheduler (Applicant)

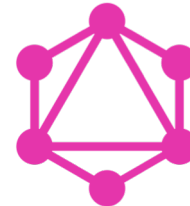
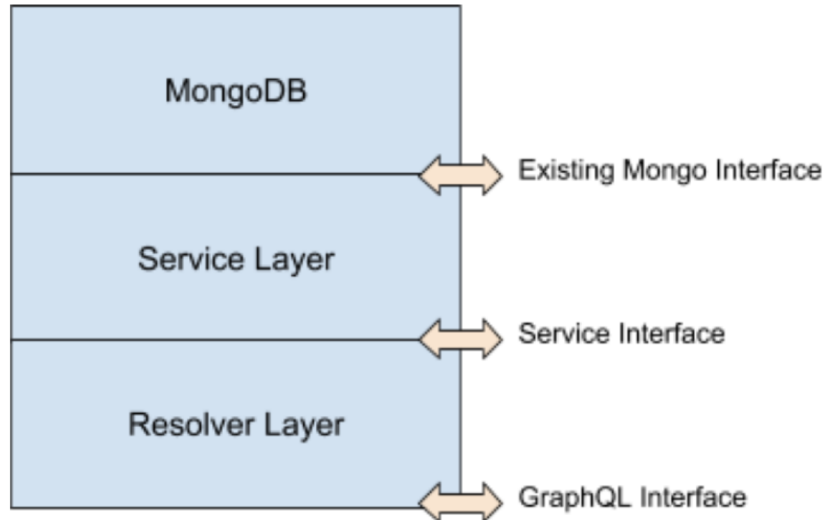
Accessed via unique link from email invite.

View all available / booked time slots, receive email confirmation once a selection is made.

Nov 16	Nov 17	Nov 29	Nov 30
5:40 pm to 6:40 pm	5:40 pm to 6:40 pm	5:45 pm to 6:45 pm	7:00 am to 8:30 am
6:40 pm to 7:40 pm	6:40 pm to 7:40 pm		
7:40 pm to 8:40 pm	7:40 pm to 8:40 pm		
8:40 pm to 9:40 pm	8:40 pm to 9:40 pm		

Backend Implementation

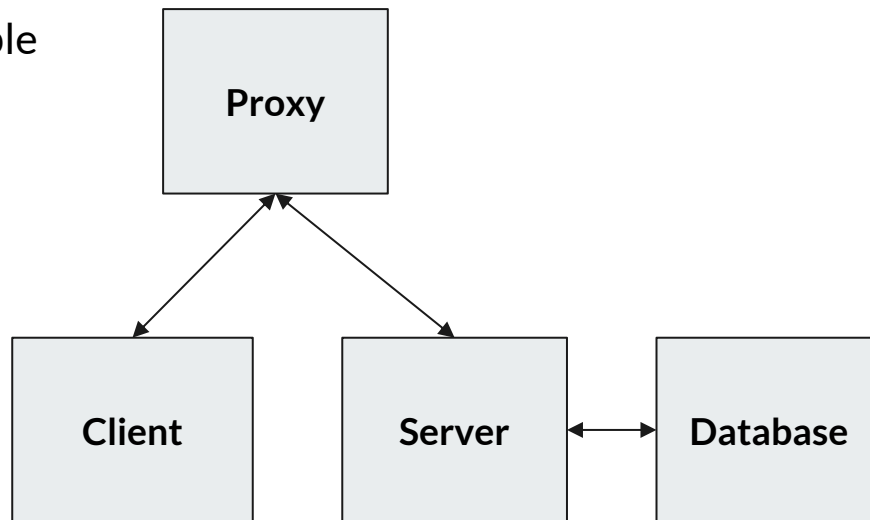
- Implemented atop MongoDB database
- Service interface: used internally within the backend
- GraphQL interface: utilized by frontend



Deployment



- Deterministic, cached builds
- Containerization with Docker
- Docker Compose to manage multiple containers
 - Proxy
 - Client
 - Server
 - Database



Description of API

Typedoc

- Javadoc-style documentation for Typescript
- Documented layers such as our Service Layer Interface and GraphQL Interface



Methods

addOwner

addOwner(ctx: Context, formID: string, newOwner: IUser): Promise<void>

Defined in [services/form.ts:75](#)

Associates an owner with a given form.

Parameters

▪ ctx: Context

▪ formID: string

form ID associate owner with

▪ newOwner: IUser

user to add as owner to form

Returns Promise<void>

void

Testing

Jest

- Maintainable Javascript testing framework
- Snapshot testing for the front end
- Test driven development for backend
- Statement coverage: 66.67%
- Branch coverage: 85.71%
- Function coverage: 81.25%
- Line coverage: 66.67%



ZOW

is almost ready
to make you say

ZWOW!

