Socorro Rental Reviews

The Squad

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Background - Why Did We Choose This Project?

Socorro is a small community with a high demand for rentals, especially those that are near campus. Often landlords view this as the perfect opportunity to rent their homes, sadly without keeping up with basic home maintenance.

Thus we decided to create a rental review website that would benefit the student body.
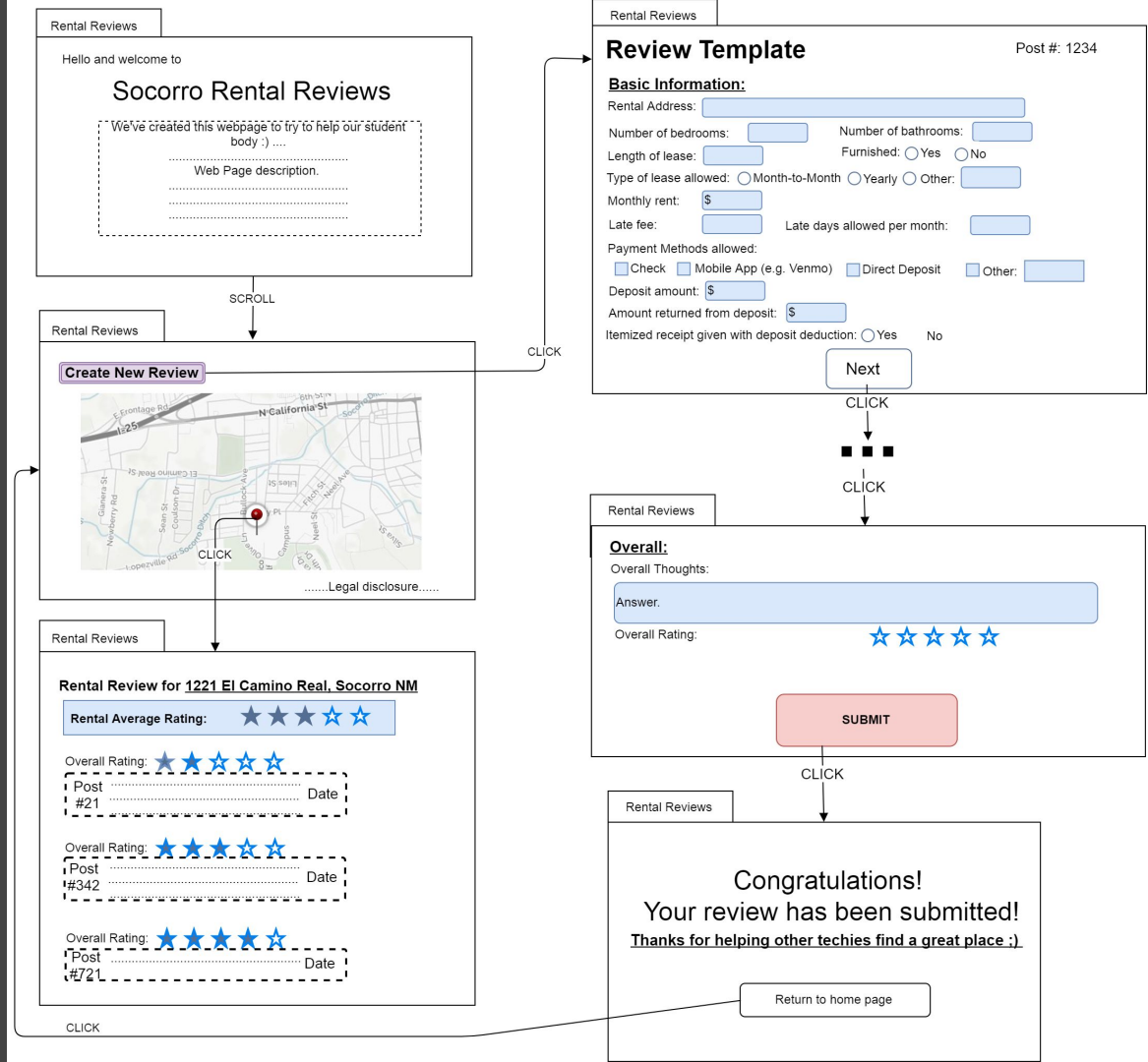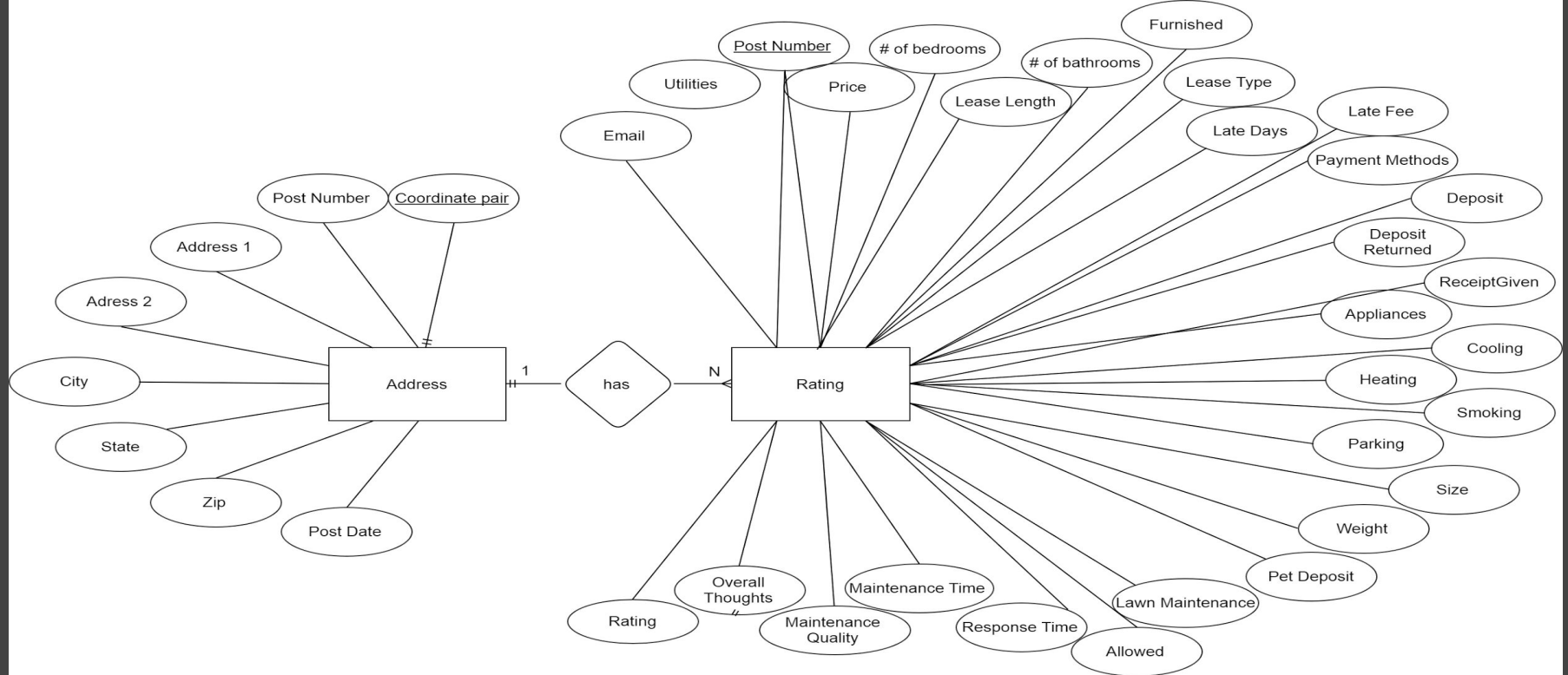
Project Goal

To help other techies be informed about:

- Location

- Pricing

- Landlords
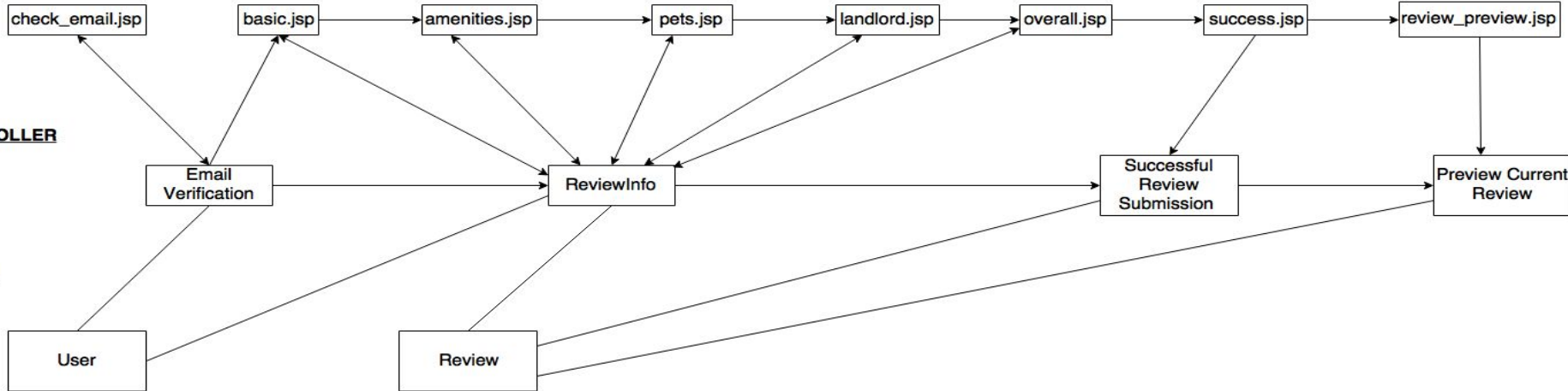
- Rental quality

- Maintenance quality

Storyboard

Hello and welcome to

Socorro Rental Reviews

We've created this webpage to try to help our student body :) ....

Web Page description.

SCROLL

Create New Review

CLICK

.......Legal disclosure......

Rental Review for 1221 El Camino Real, Socorro NM

Rental Average Rating: ★ ★ ★ ★ ☆

Overall Rating: ★ ★ ☆ ☆ ☆

Post #21   Date

Overall Rating: ★ ★ ★ ☆ ☆

Post #342   Date

Overall Rating: ★ ★ ★ ★ ★

Post #721   Date

CLICK

CLICK

Review Template   Post #: 1234

Basic Information:

Rental Address:

Number of bedrooms: Number of bathrooms:

Length of lease: Furnished: ○Yes ○No

Type of lease allowed: ○Month-to-Month ○Yearly ○Other:

Monthly rent: $

Late fee: Late days allowed per month:

Payment Methods allowed:

☐ Check ☐ Mobile App (e.g. Venmo) ☐ Direct Deposit ☐ Other:

Deposit amount: $

Amount returned from deposit: $

Itemized receipt given with deposit deduction: ○Yes   No

Next

CLICK

■ ■ ■

CLICK

Overall:

Overall Thoughts:

Answer.

Overall Rating: ★ ★ ★ ★ ★

SUBMIT

CLICK

Congratulations!
Your review has been submitted!
Thanks for helping other techies find a great place ;)

Return to home page

Entity Relationship Diagram

System Architecture

VIEW

check_email.jsp   basic.jsp → amenities.jsp → pets.jsp → landlord.jsp → overall.jsp → success.jsp → review_preview.jsp

CONTROLLER

Email Verification   ReviewInfo   Successful Review Submission   Preview Current Review

MODEL

User   Review

Logically sequential and follows an agile methodology of development

Database Structure

Based on the above storyboard and ER diagram we created our database.

- Collects 38 pieces of Information
- Data is stored in 2 tables:
  - rating
  - address
- Post Number is stored as our Primary Key.

#	Name	Type	Collation	Attributes	Null	Default	Extra
1	postNumber	int(16)			No	None	
2	email	varchar(320)	utf8mb4_unicode_ci		No	None	
3	price	int(16)			No	None	
4	bedrooms	int(11)			No	None	
5	bathrooms	int(11)			No	None	
6	leaseLength	varchar(128)	utf8mb4_unicode_ci		No	None	
7	furnished	tinyint(1)			No	None	
8	leaseType	int(11)			No	None	
9	lateFee	int(11)			No	None	
10	lateDays	int(11)			No	None	
11	paymentMethods	int(11)			No	None	
12	deposit	int(11)			No	None	
13	depositReturned	int(11)			No	None	
14	receiptGiven	tinyint(1)			No	None	
15	utilities	tinyint(1)			No	None	
16	appliances	int(11)			No	None	
17	cooling	int(11)			No	None	
18	heating	tinyint(1)			No	None	
19	parking	int(11)			No	None	
20	smoking	tinyint(1)			No	None	
21	petsAllowed	tinyint(1)			No	None	
22	petDeposit	int(11)			No	None	
23	petWeight	int(11)			No	None	
24	petSize	int(11)			No	None	
25	lawnMaintenance	tinyint(1)			No	None	
26	responseTime	int(11)			No	None	
27	maintenanceTime	int(11)			No	None	
28	maintenanceQuality	varchar(300)	utf8mb4_unicode_ci		No	None	
29	overallThoughts	varchar(300)	utf8mb4_unicode_ci		No	None	
30	overallRating	int(5)			No	None	

ratings table

address table

#	Name	Type	Collation	Attributes	Null	Default	Extra
1	**latitude**	float(10,7)			No	*None*	
2	**longitude**	float(10,7)			No	*None*	
3	**postNumber**	int(16)			No	*None*	AUTO_INCREMENT
4	**address1**	varchar(255)	utf8mb4_unicode_ci		No	*None*	
5	**address2**	varchar(255)	utf8mb4_unicode_ci		Yes	*NULL*	
6	**city**	varchar(255)	utf8mb4_unicode_ci		No	*None*	
7	**state**	varchar(255)	utf8mb4_unicode_ci		No	*None*	
8	**zip**	int(8)			No	*None*	
9	**country**	varchar(255)	utf8mb4_unicode_ci		No	USA	
10	**postDate**	timestamp			No	CURRENT_TIMESTAMP	

Known Issues

- We do not support the usage of the back button when filling out the review form

- Our system does not check input for correct type (i.e. string vs. int)

- Our current design has not been fine tuned for mobile

Future Goal 1

Email Verification to Users:

Currently we only parse the string entered to make sure it is a valid NMT Student address. However, sending an email to our users is more sophisticated and would be a practical advancement for our website.

Future Goal 2

Login for Various Users

We see a possible desire for a login feature in the future of our website as users may

want to go back and edit or delete their posted review.

Future Goal 3

Rental Reviews Location Expansion

Our website could potentially be used beyond the scope of Socorro; however, our users who are able to leave reviews would no longer be limited to only *New Mexico Tech* students. We would essentially require both the Email Verification and the Login system integration to be complete at the time of expansion.

DEMO TIME