Honors Capstone by
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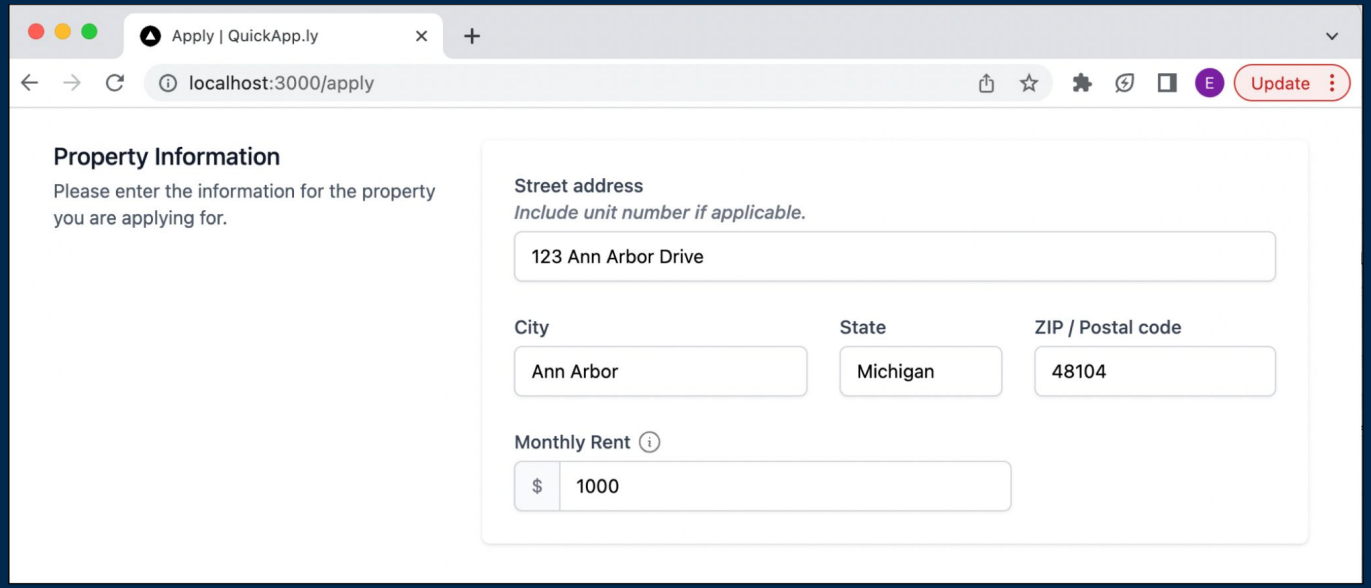
QuickApply

A Modern Rental Application.

Introduction

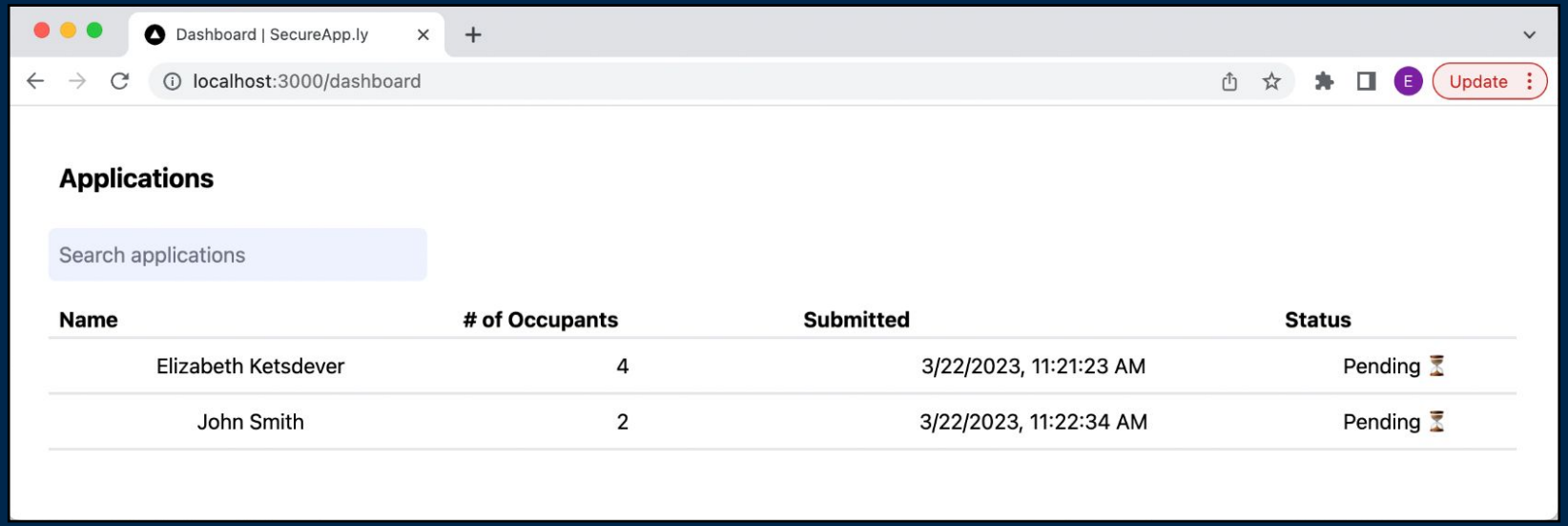
- Current process: email or non-standardized online form
  - Inefficient and easy to make errors for renters
  - Inefficient and unorganized storage of renter information for landlords
  - Most current forms are not accessible for all users
- QuickApply: streamlined rental application process
  - Ensures error-free applications
  - Landlord dashboard of all submitted applications
  - Focus on college students and landlords
- Project started in EECS 497

Iteration 1



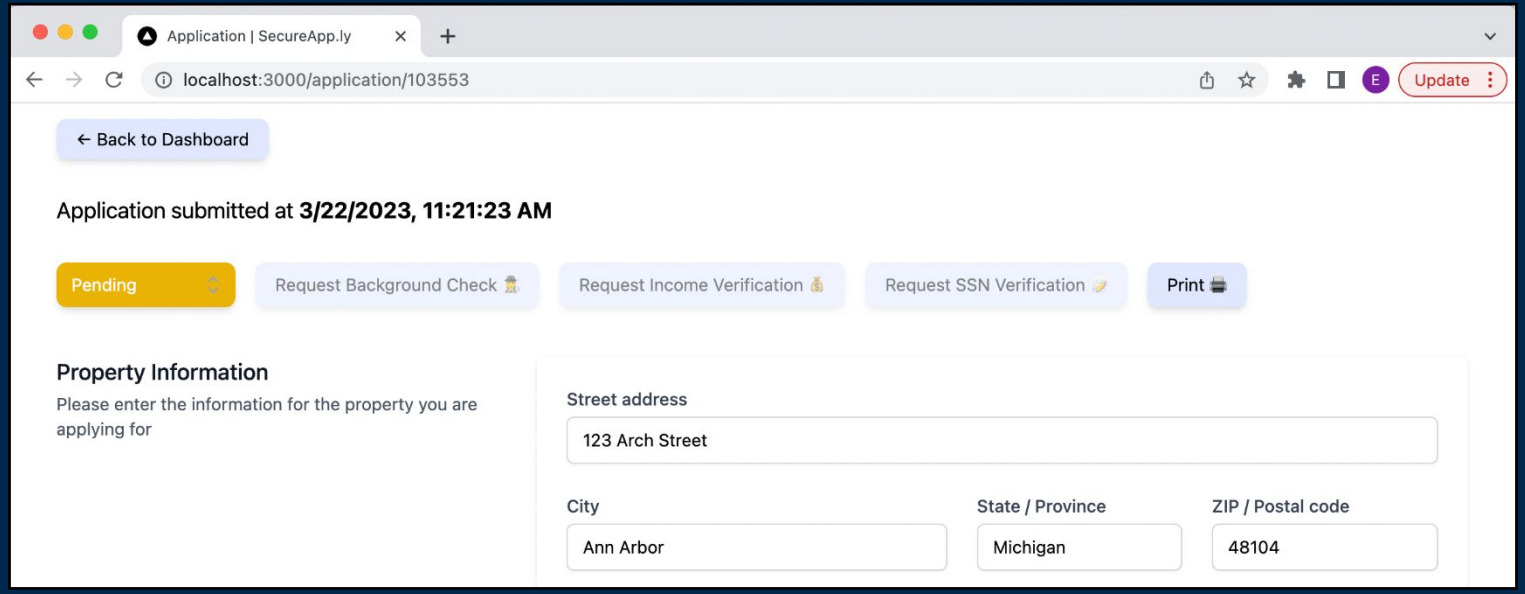
Simple application form.

Iteration 1



Landlord dashboard.

Iteration 1



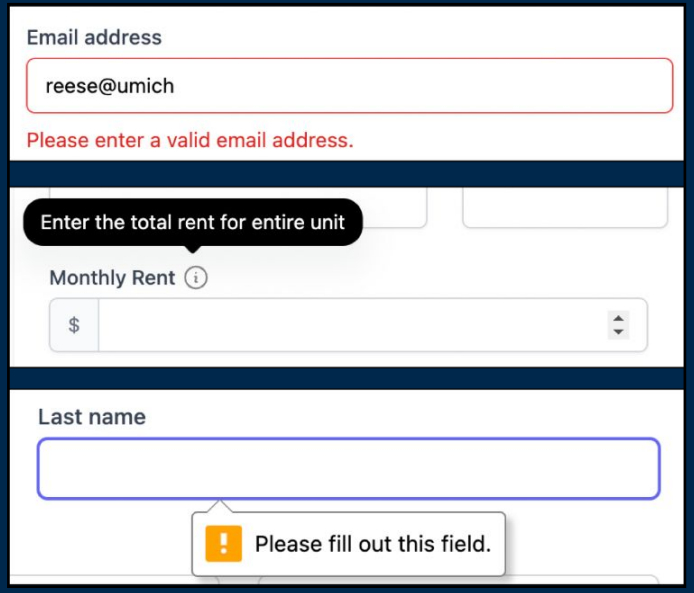
Landlord single application view.

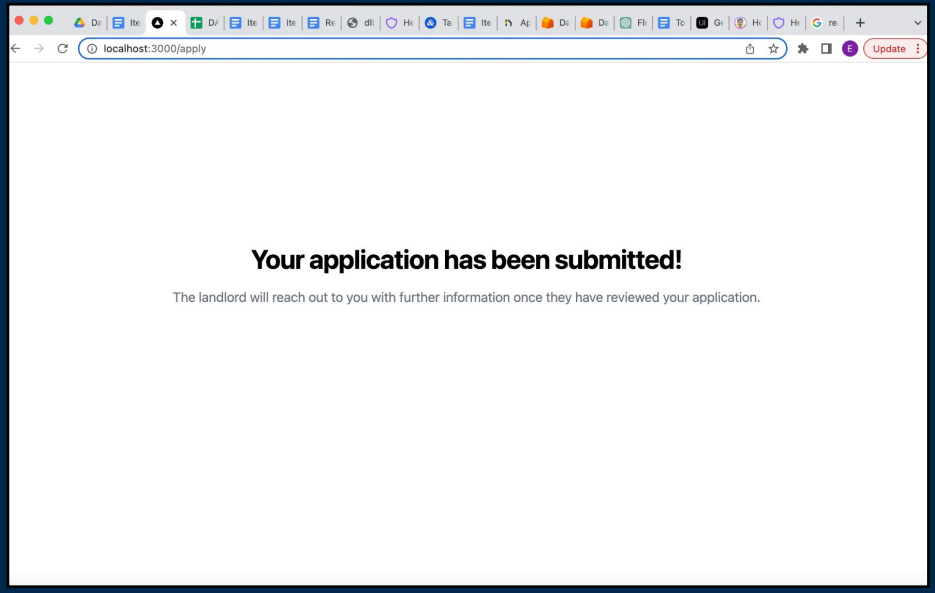
Iteration 1 User Testing

Requirement	User Type	Importance (1-5)	Satisfaction (1-5)
Fill out an application	R	4.8	2.9
Submit an application	R	4.7	3.1
View a single application	L	4.7	3.1
See an organized view of all applications	L	4.6	2.4
Application Status	L	3	4.3
Automated background and SSN checks	L	2.6	2.8

- Make form easier to understand and help prevent errors
- Focus on college landlords
- Adjust dashboard to layout reflective of real-world storage

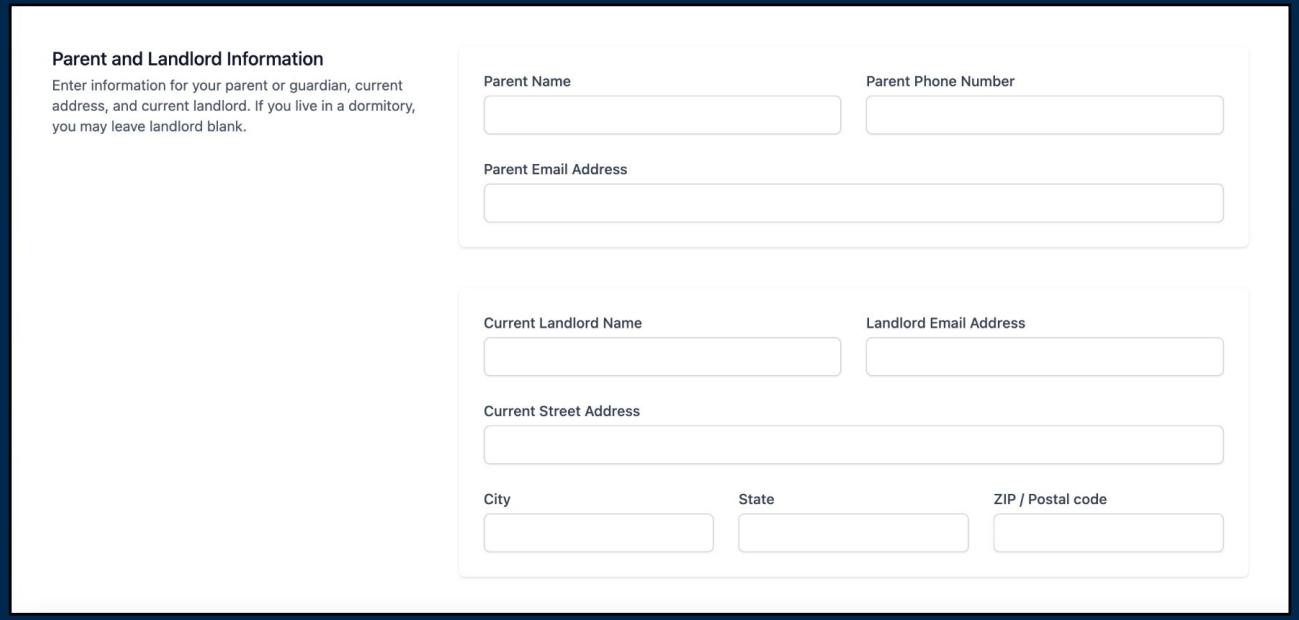
Iteration 2





Error validation and added information.

Iteration 2



College-specific form sections.

Iteration 2

Organized landlord dashboard.

Iteration 2 User Testing

Requirement	User Type	Importance (1-5)	Satisfaction (1-5)
Fill out an application	R	4.8	4.2
Submit an application	R	4.7	4.8
View a single application	L	4.6	4.1
See an organized view of all applications	L	4.6	4
Application Status	L	2.7	4.8
Collect information necessary to screen applicants	L	4.5	2.7

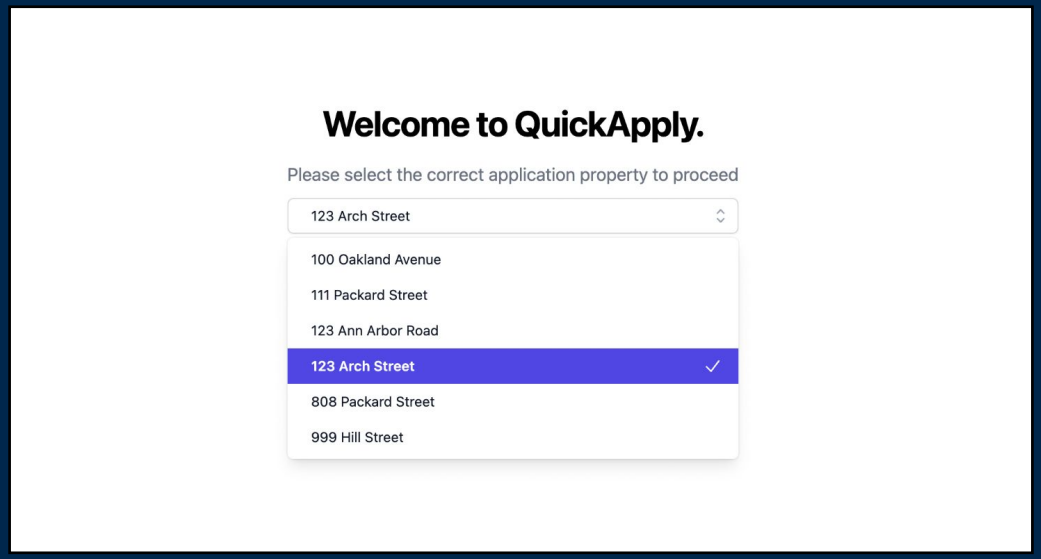
- Welcome screen with properties
- Form customization options for landlords
- Automated emails

Iteration 2 Accessibility Testing

	Application	Dashboard
Correct use of headlines	1.5	4.5
Proper alt text for images	2	5
Links have unique & descriptive names	5	5
Careful use of color	4.5	4
Forms designed for accessibility	5	4
Use of tables for tabular data not layout	4.5	1.5
Logical flow of keyboard accessibility	4	2.5
Thoughtful use of ARIA roles	3.5	2.5
Accessibility of dynamic content	5	5

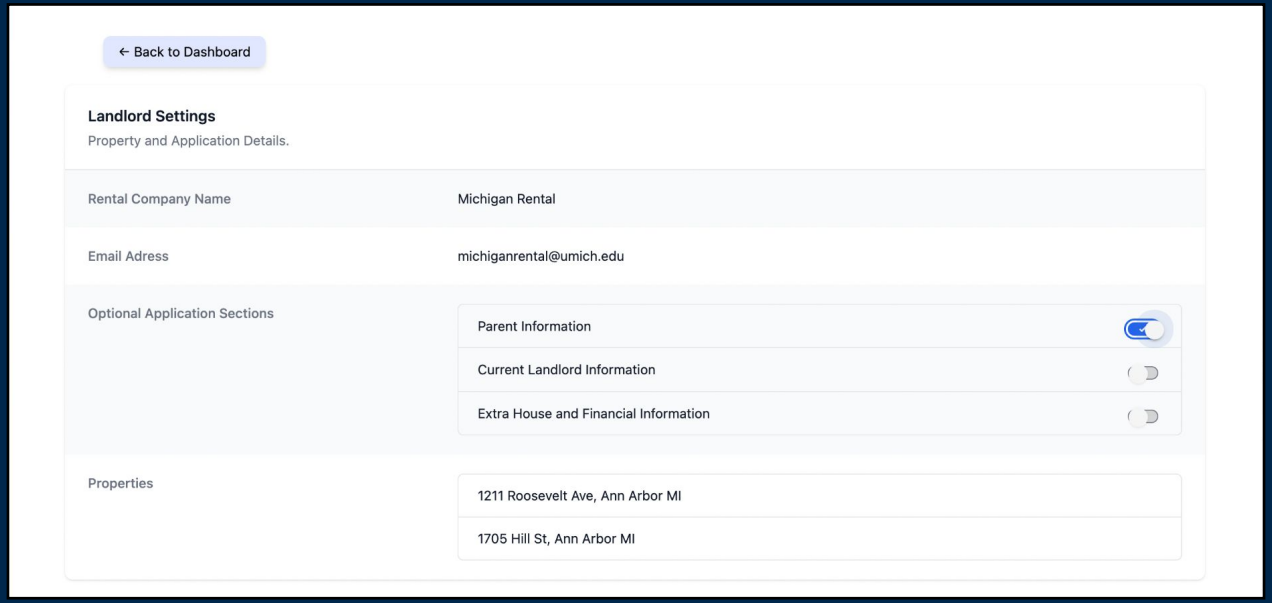
- Add Aria labels and roles
- Change table formatting on landlord dashboard
- Alt text on images

Iteration 3



Welcome Screen.

Iteration 3



Landlord Settings Page.

Final User Testing

	Renters		Landlords	
	Old System	QuickApply	Old System	QuickApply
Efficiency	2.75	4.25	3.5	3.625
Ease of use	3.125	4.25	3.25	3.625
Effectiveness	4.375	4.625	4.5	4.25
Overall satisfaction	2.875	4.25	3.125	3.875

- All categories improved except landlord effectiveness
- Landlord effectiveness: want complete customization
- Overall both user groups more satisfied with QuickApply than current system

Acknowledgements

Thank you to Professor Ringenberg, my EECS 497 team partners, and everyone who has helped with QuickApply.