



rent.sc

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For college students, finding the perfect off-campus home can be difficult. Oftentimes, students have trouble finding the perfect home while renters struggle to find the perfect tenants.

rent.sc aims to make this process easy and fun.





High-Level Goals

1. As a developer I would like to have a stable backend and UI to work off of
2. As a user, I would like to be able to view listings on an interactive map
3. As a user, I would like to create a public listing accessible by all users



Sprint 1

User Stories:

1. As a renter, I want to view the map of listings on a website so that I can start looking for housing.
2. As a renter, I want to see the pins for each listing so that I can clearly identify where each house is located.
3. As a landlord, I want to be able to make a listing available to all users.
4. As a user (landlord and renter), I want to have a profile where all my basic information is displayed for other users to see.



Sprint 1

- Spikes:
 - Set up basics of web application.
 - Learn to use technologies.
 - Calculate coordinates and distance for each pin.





Sprint 2

User Stories:

1. As a renter, I need to know the price and size of the house for each listing so that I can make the decision whether to contact the landlord of the house.
2. As a renter, I want to be able to sort listings by price.
3. As a landlord, I want to be able to add descriptions, prices, and other specifications to my listing.

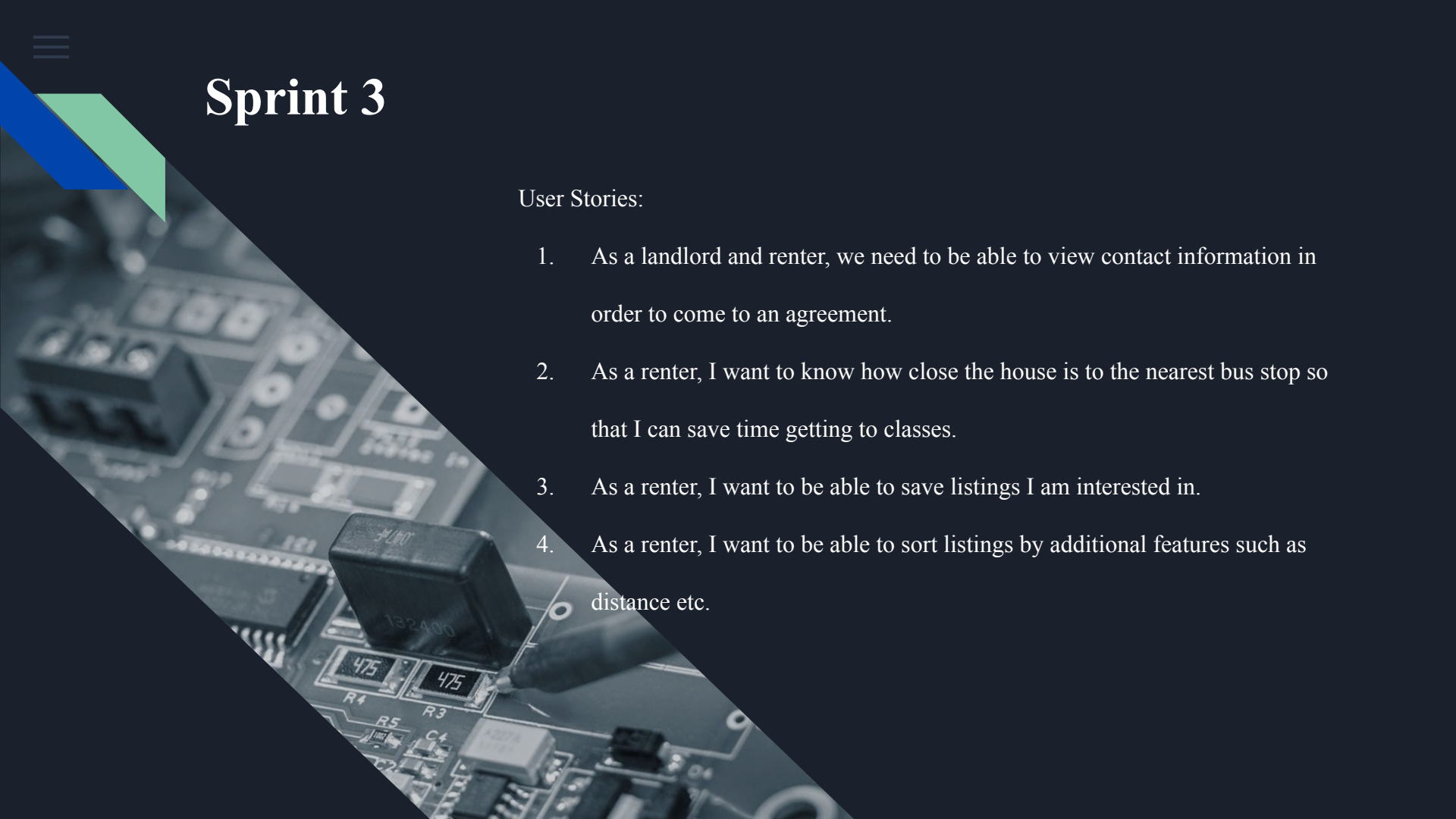
Spikes:

1. Learn how to implement sorting features through database.



Sprint 3

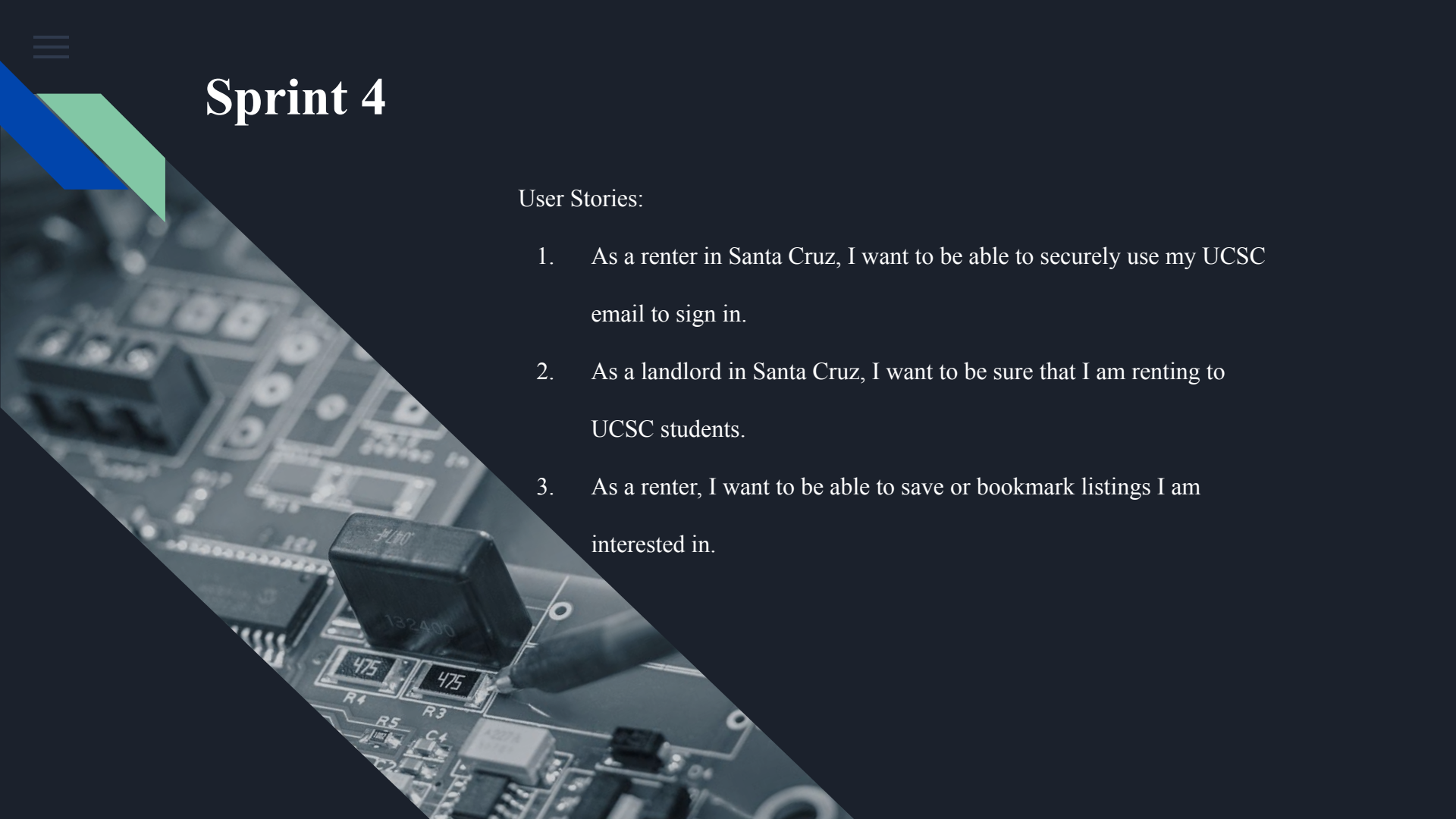
User Stories:

1. As a landlord and renter, we need to be able to view contact information in order to come to an agreement.
 2. As a renter, I want to know how close the house is to the nearest bus stop so that I can save time getting to classes.
 3. As a renter, I want to be able to save listings I am interested in.
 4. As a renter, I want to be able to sort listings by additional features such as distance etc.
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Sprint 4

User Stories:

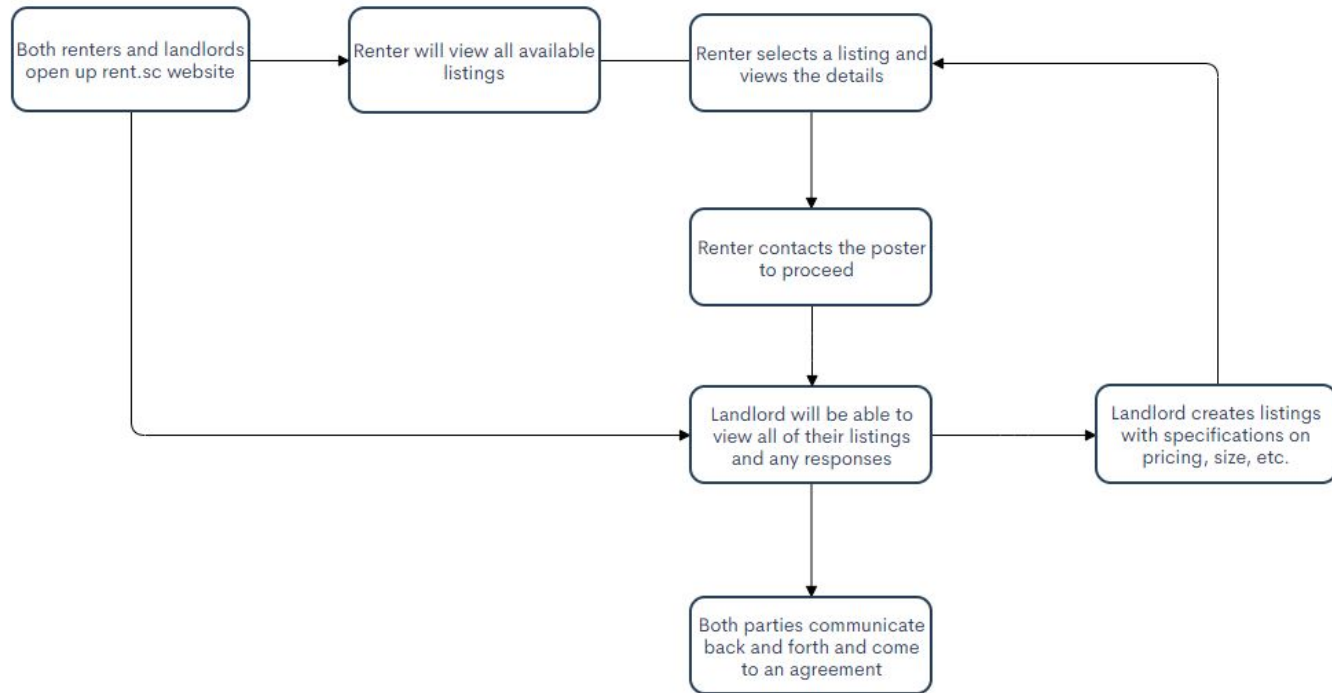
1. As a renter in Santa Cruz, I want to be able to securely use my UCSC email to sign in.
 2. As a landlord in Santa Cruz, I want to be sure that I am renting to UCSC students.
 3. As a renter, I want to be able to save or bookmark listings I am interested in.
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Minimum Viable Project

- Product needs to display any listings from landlords on a map
- Users must be able to view details (prices, size) of the listing
- Landlords must be able to post listings for rent
- Product needs to allow for the renter and landlord to communicate between one another

Architecture





Technologies

Languages/Frameworks: Python, Django, Google Firebase, React, HTML, CSS, Postman

Libraries: Google Maps API

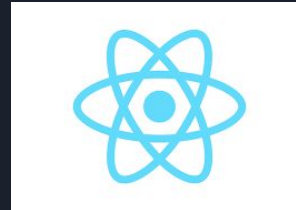
Version Control: GitHub

Continuous Integration: CircleCI

Testing: Postman, Lamdatest

Limiting/Code Formatting

Module Bundling: Webpack





Challenges/Risks

- Limited experience and unfamiliarity with technologies we plan to use.
 - Ex. Django, React, Firebase
- Little exposure with developing web applications
 - Hard to figure out how to combine components
 - Limited front-end development experience