

Team

Problem

Solution

Lessons learned



Prateeksha Bhojaraj

Specialization:

Data Analysis (ML) Skills: C++, Python, Java Frontend

Prarthana Prathap

Specialization:

Full stack developer Skills: Angular, Typescript, JavaScript, Node.js

Sankalp Vaish

Specialization:

Full stack developer
Skills: Python(ML), Java, C++, JavaScript,
jQuery, MySQL, PostgreSQL

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Client

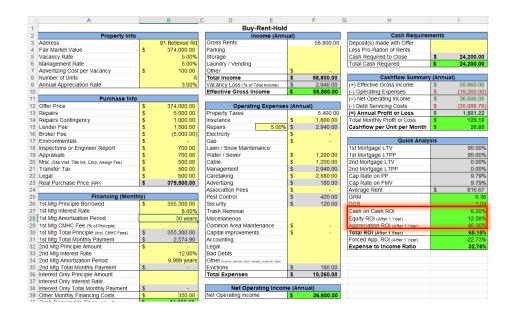








Looks for potential properties to invest that gives a good ROI





A web application that

- Fetches to the calculator, the information required from existing real estate APIs
- A UI that shows properties in an area with potential ROI on a map

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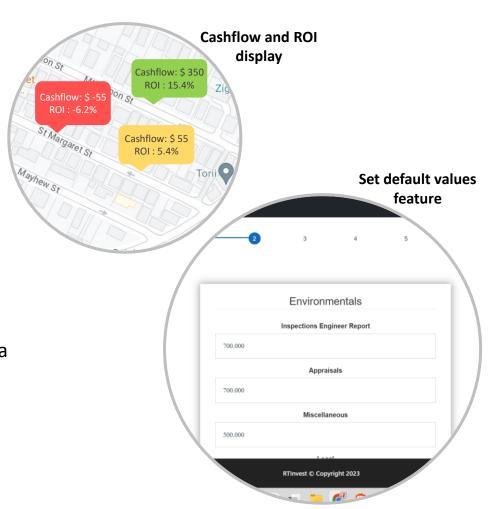
Lessons learned

Highlights of our webapp

- Forgot password feature that allows the app to send a prompt to the users' mail ID.
- Google maps to search for properties.
- Calculates and displays the Cash-flow,
 Cash-on-Cash ROI on the map.

| Cashflow \$ | < 0 | 0 - 100 | > 100 |
|-------------|-----|---------|-------|
| ROI % | < 6 | 6 – 12 | > 12 |

- Well optimized code to avoid delay in making API calls using multi-threading.
- Set default values feature allows user to make changes according to preference in addition to the information from the APIs. The values are stored in a DB until the user decides to change it.
- Allows a user to save favorite property.



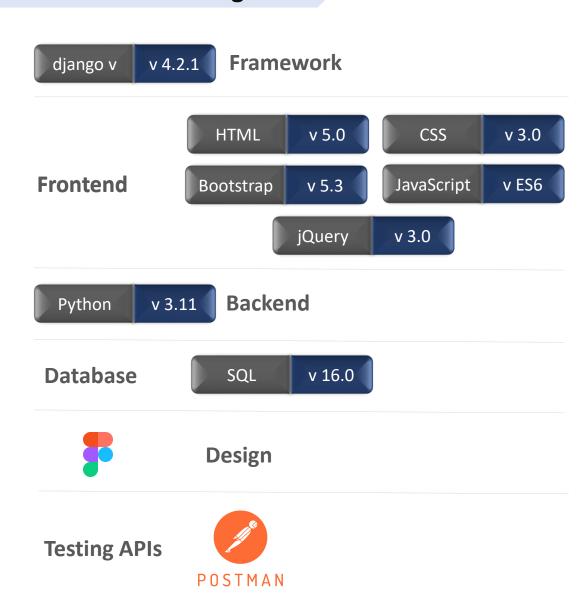
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Tools & Technologies



Use case

- Investors looking for potential opportunities
 - Asset to the real estate of industry since it provides detailed analysis on the investment

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Key takeaways



- Agile and scrum-based planning is essential
- Decision making in each phase
- Work as a team
- It is okay to have setbacks



Technical challenges faced

- Getting the right API o
 - Integrating maps o
- Unable to implement drawing feature due to o limited API functionality

