



BEACON

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Community Need

STEM events, internships, clubs, and enrichment programs often go unnoticed by students and parents. Information is scattered across school newsletters, organization websites, social media, and magazines, making it difficult to reliably discover high-quality opportunities in a specific town or region.

Target Audience

Beacon is targeted towards students of all ages who are in search of local STEM opportunities. This app is also available for parents that want to locate events for their children or relatives that are low of charge, nearby, and/or easy to access.

Current Market



SEARCH ENGINES:

Large search engines lack specificity and often suggest unrelated media to what the user is searching for.

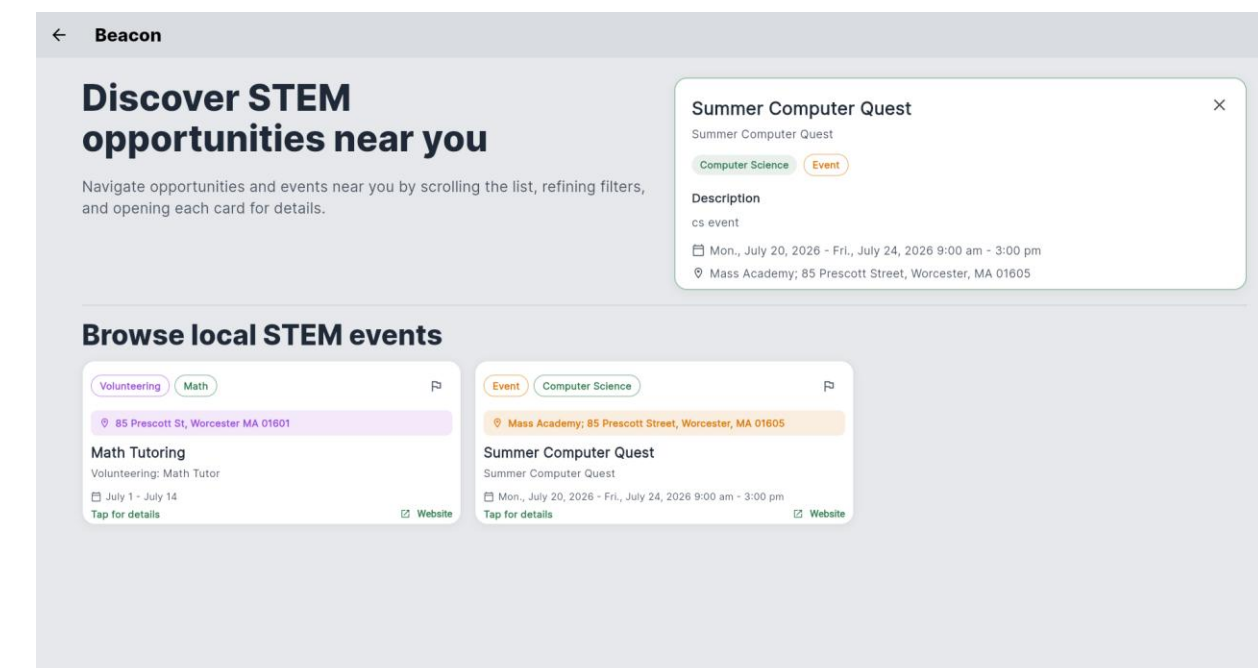
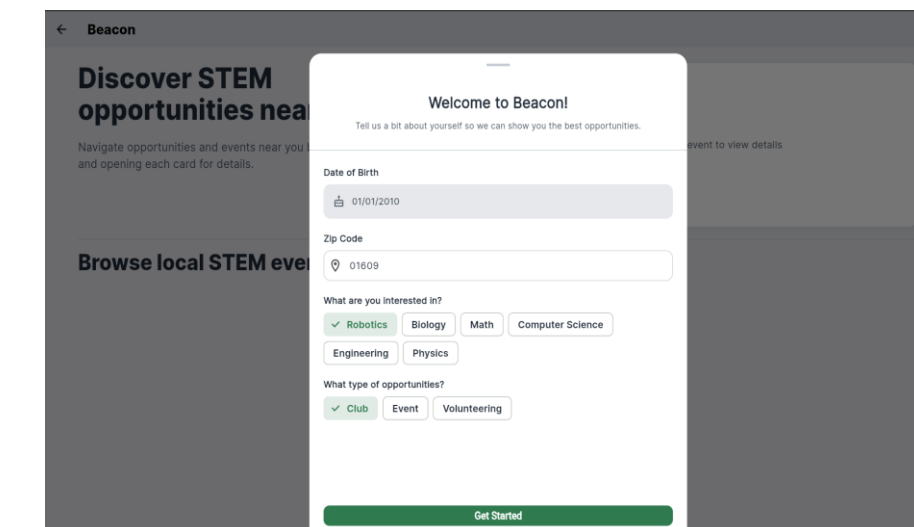
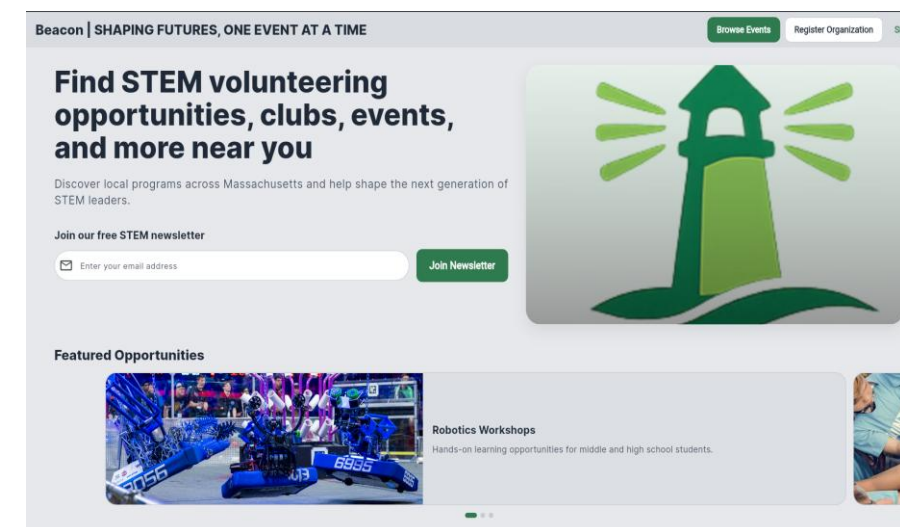
EVENTBRITE:

Although Eventbrite is an event browsing service, their content is not specific to STEM opportunities, making it difficult for students and/or parents to quickly filter through.

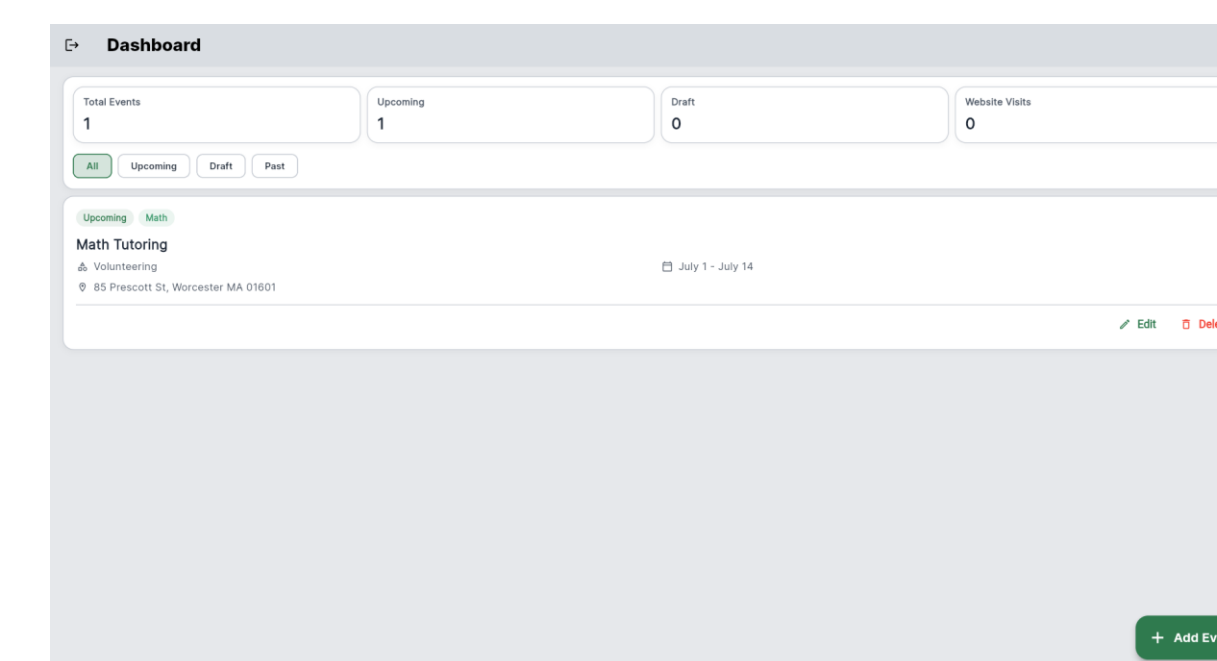
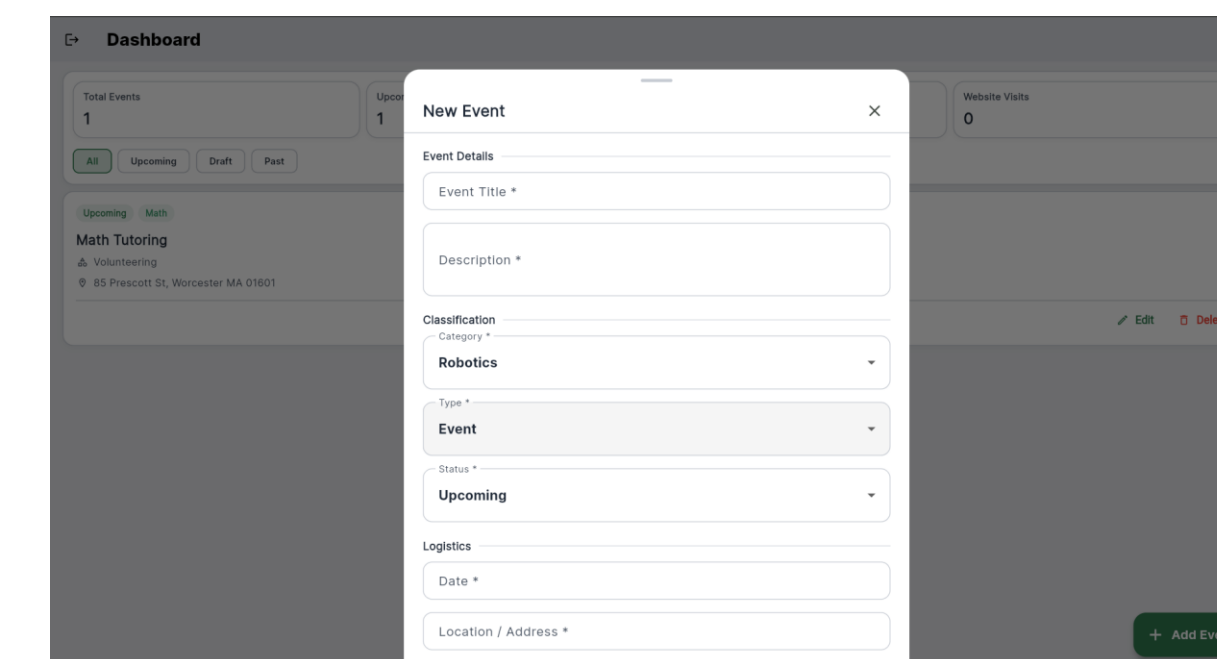
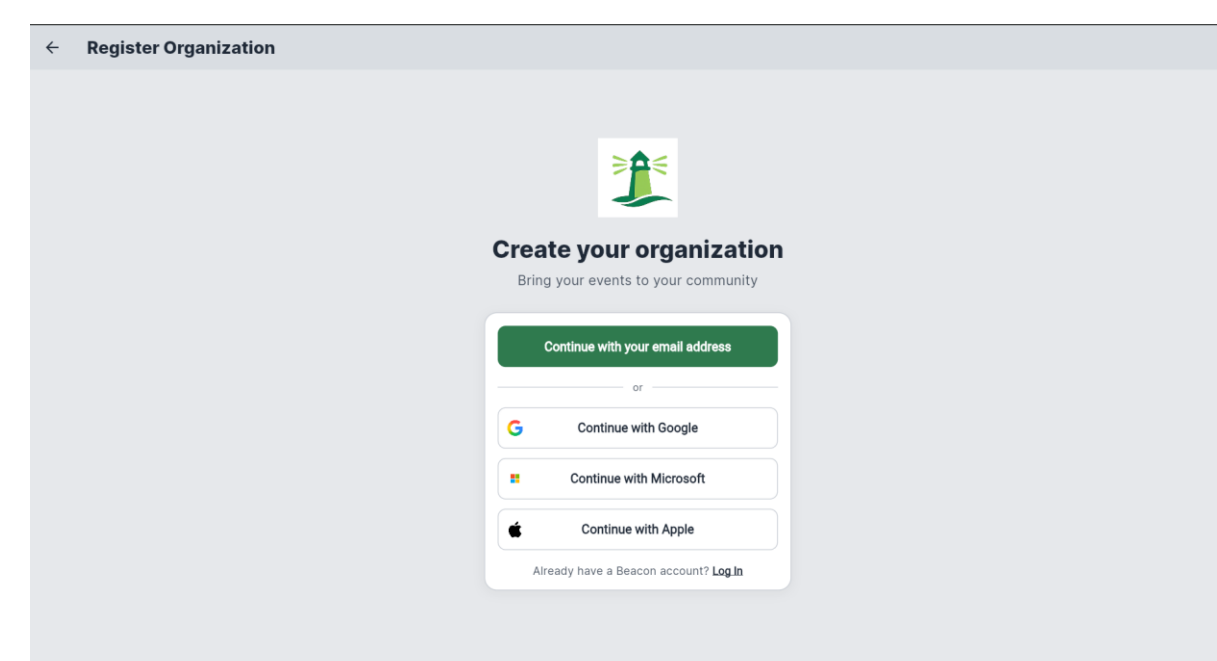
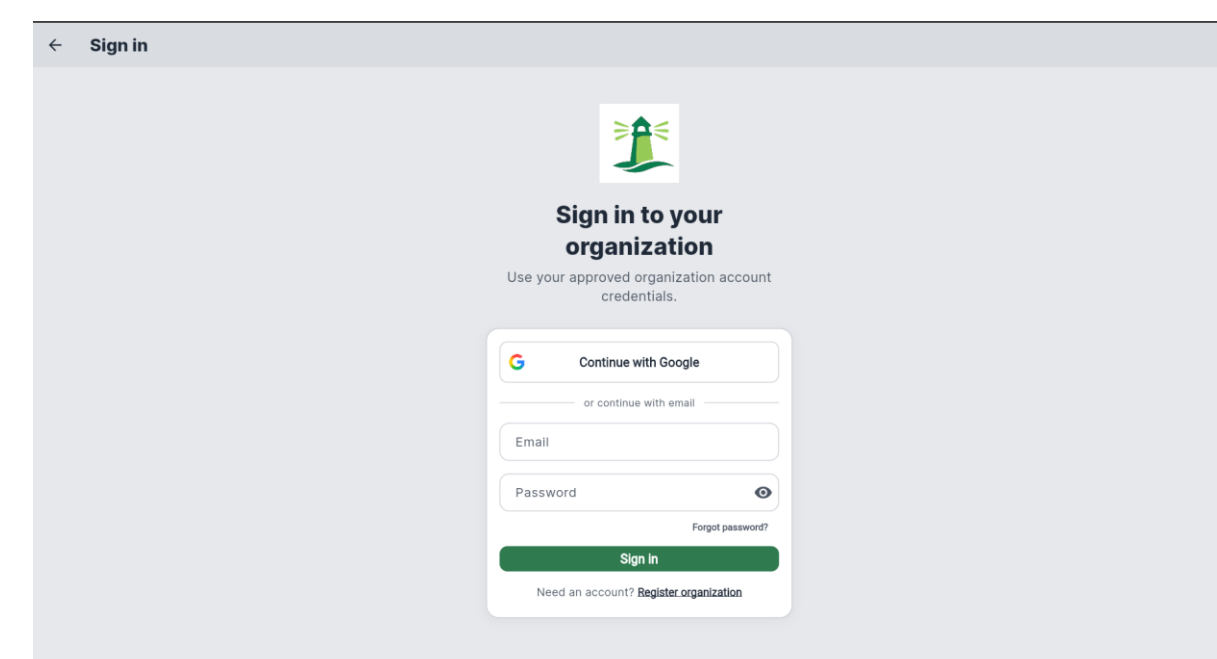


Solution: Beacon

STUDENT VIEW:

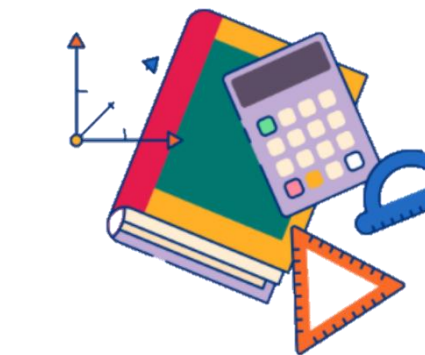
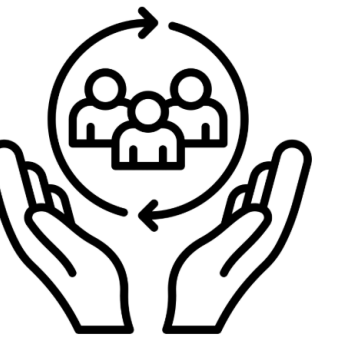


ORGANIZATION VIEW:



Key Features

Organizations will be manually verified
Verified organizations will have CRUD access



Students can filter by subject of interest to find events that appeal to them

Filters are saved locally to allow easy access of events based on student preferences



Technical Stack



FLUTTER:

- Frontend



FIREBASE:

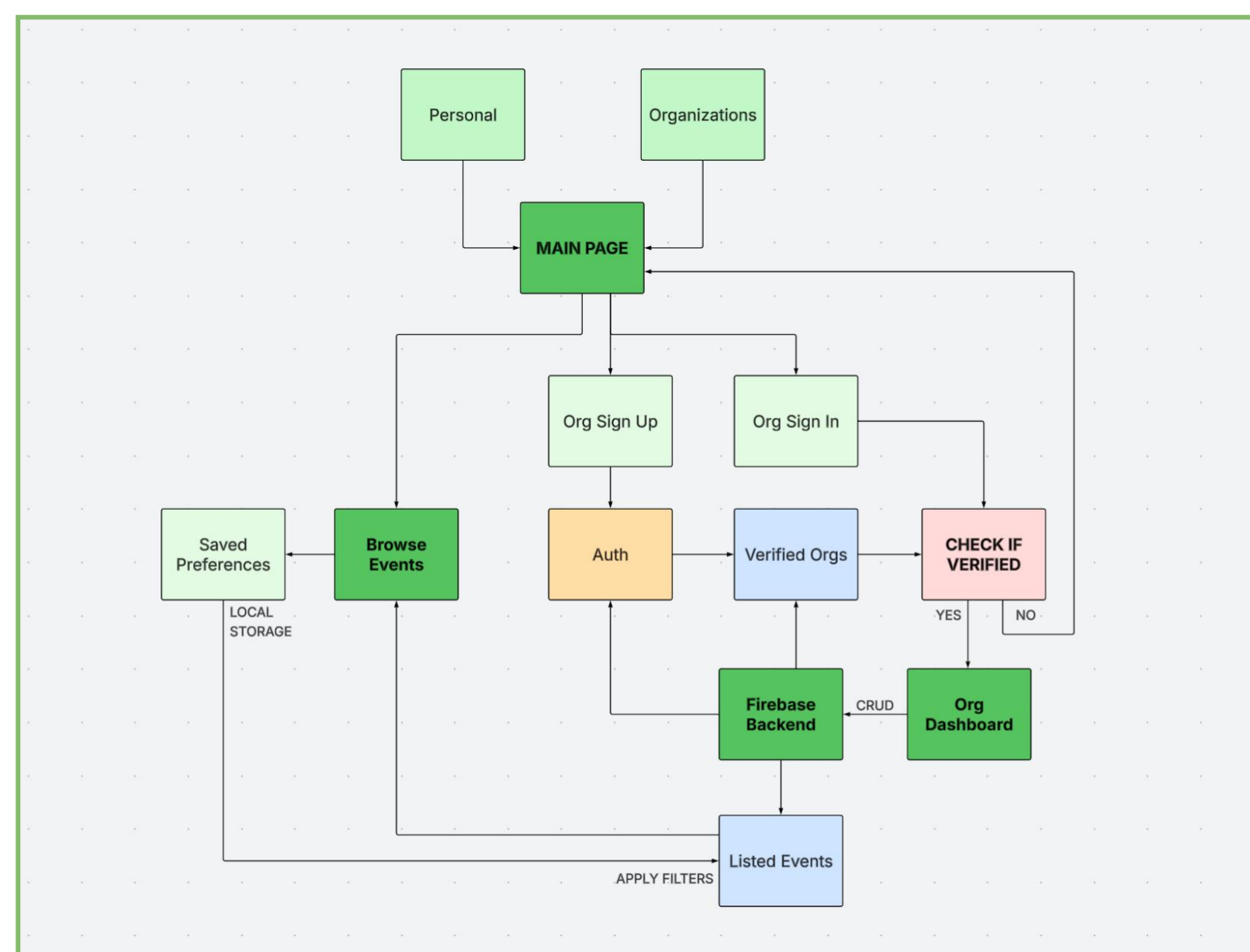
- Firestore
- Database
- Authentication
- Trigger Email Extension



LOCAL STORAGE:

- Local storage

App Architecture



Future Extensions

- Let users save, group and sort events
- Implement a visual map UI to allow users to easily locate nearby events
- Implement a web crawler to automatically pull STEM events from the internet