



EVE HACK



EVE HACK SUBMISSION





TEAM DETAILS

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COLLEGE NAME: School of Engineering , CUSAT , Thrikkakara.



PROBLEM STATEMENT

The current healthcare communities are fragmented and lack a centralized platform for managing and accessing them.

This makes it difficult for people to quickly locate and connect with medical professionals, track ambulances, receive first aid and trauma care training, and access information on health campaigns.

Additionally, there is a lack of transparency in the medical and charity 'industry', making it challenging for individuals to trust and verify the credentials of medical professionals and charity cases, to quickly find and verify donors and whatnot.

There is a lack of an all-in-one community-driven service platform that aims to address these issues by providing a centralized and easy-to-use platform for aggregating medical services, connecting individuals with verified medical professionals, and promoting transparency in the healthcare and palliative care "industry".



EXISTING SOLUTIONS FOR THE PROBLEM

There are not a lot of centralized and community driven platforms offered for this kind of usages

Using social media groups and forums are not addressing the core of the problem and fails to aggregate the services efficiently , mostly stooping down to a point where such communities are filled with fake/scam charity requests and deprecated alerts .etc

Other proprietary/ state driven solutions exists for organ and blood catalogue/donation programs are kinda niche and adds a layer of abstraction so general public cant access and utilize them properly.



OBJECTIVES OF THE WORK

- Aggregate details of
 - Ambulance availability
 - Medical professionals
 - Medical charity funding
 - Blood / organ donation
- Command and Control on
 - Route clearance for organ transportation
 - Pandemic outbreak management
 - Manage charity funds / fact checking
- Live monitoring of
 - Donors
 - Ambulances
 - Patients
 - Niche medical incidents
- And more



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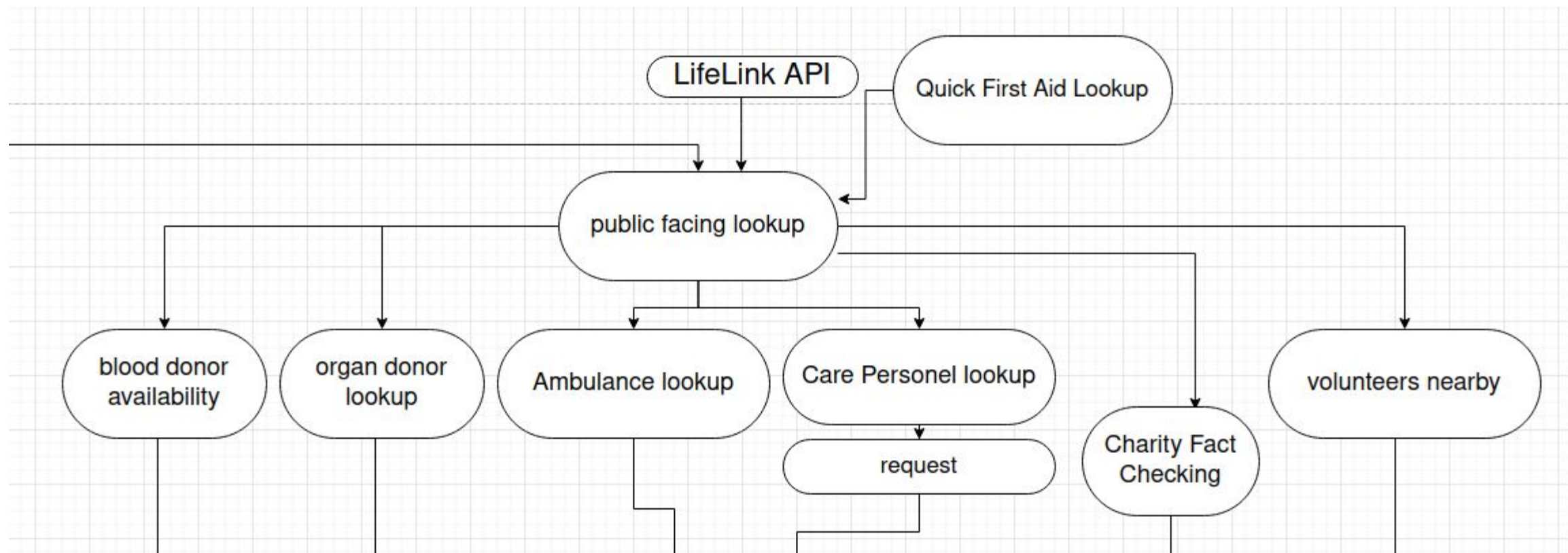


IDEAS / SOLUTION / METHODS



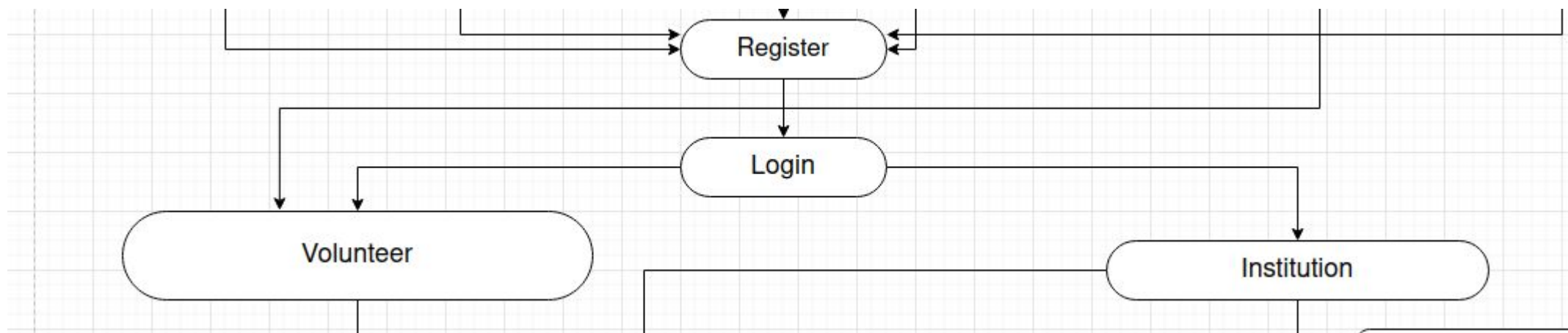


IDEAS / SOLUTION / METHODS



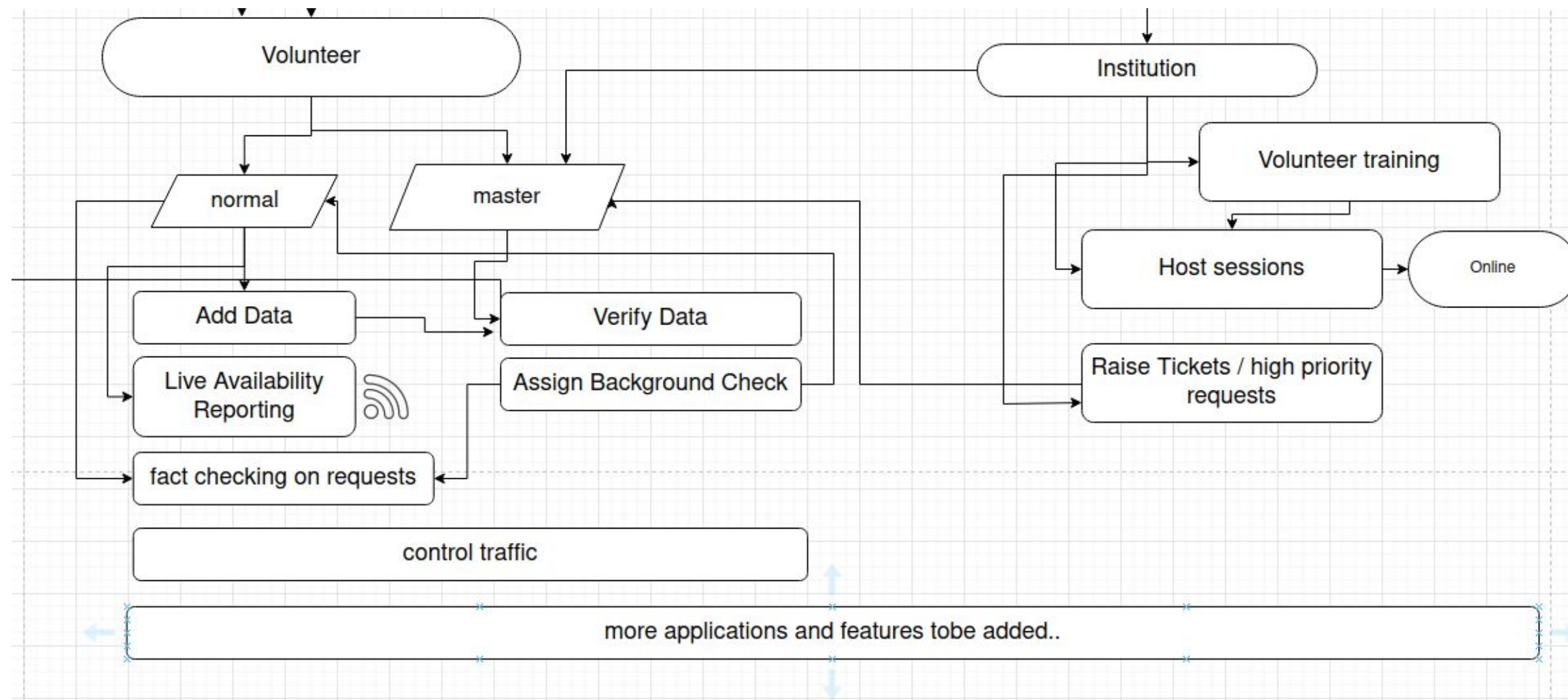


IDEAS / SOLUTION / METHODS



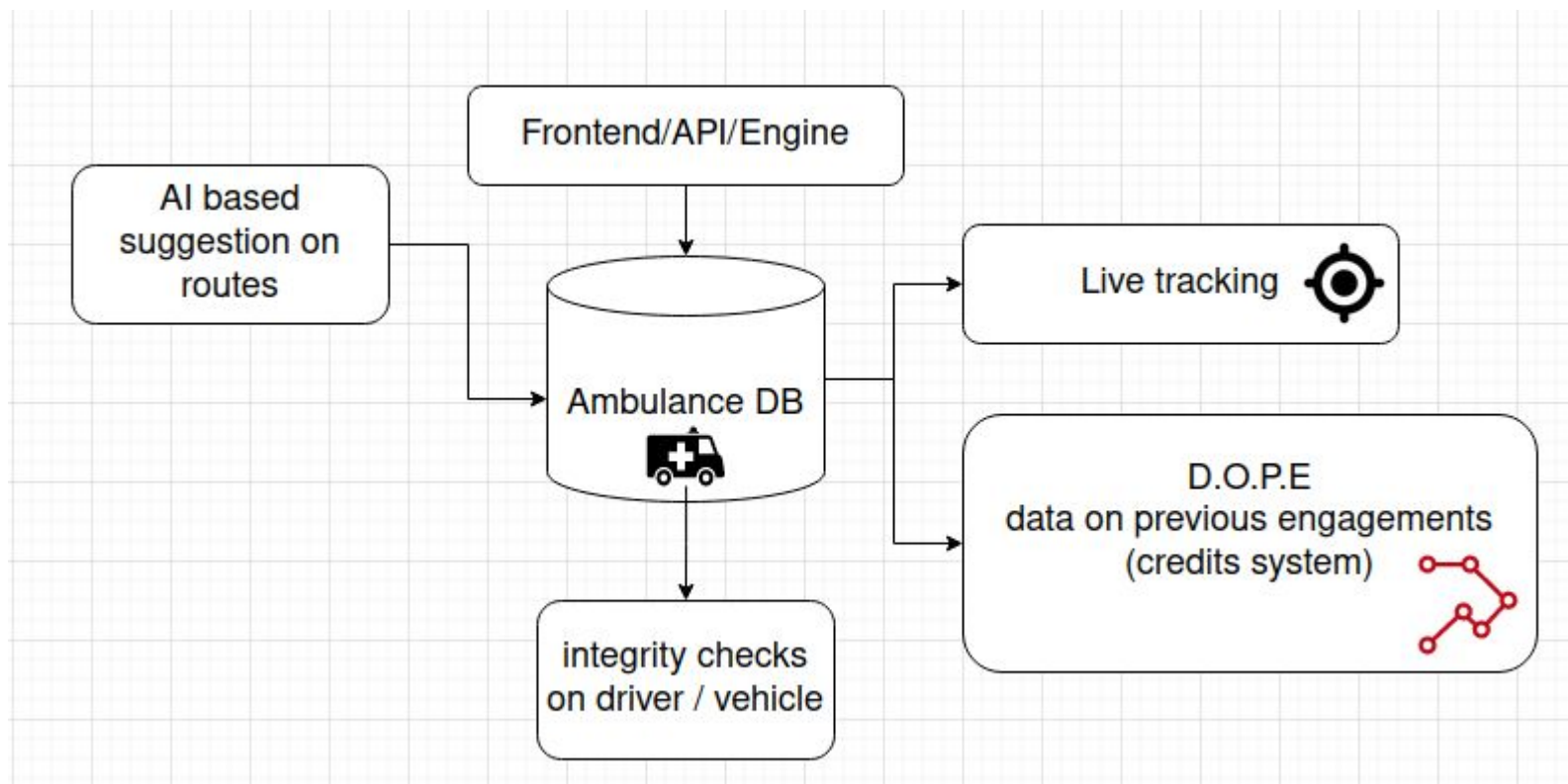


IDEAS / SOLUTION / METHODS





IDEAS / SOLUTION / METHODS





UNIQUENESS OF THE IDEA?

There exists no other all in one one stop shop for such applications like

- Realtime ambulance tracking
- Realtime monitoring and tracking of blood donors
- Credit score system for volunteers and donors
- It used AI models to predict better results.
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- Credit scores / reward points for volunteering and donating blood.
- Aggregate all the services including training under an umbrella with help of industry leading experts and trainers.
- A layer of fact checking over the crowdsourced data
- Unique platform to check genuinity of a charity request.



TECH STACK / IMPLEMENTATION DETAILS

Front-end:

- React or Angular + HTML/css
- Flutter for mobile apps

Back-end:

- Python/JavaScript for server-side logic, Flask for building the API
- Nosql Databases MongoDB, Firebase for testing.
- SageMaker, GCloud ML Engine, for deploying and managing AI models

Advanced Lookup:

- Elasticsearch, for fast and advanced search capabilities
- Chat GPT integration

Tech stacks are to be improved to include more researched/tested and optimized technologies



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THANK YOU