

EZEE

Term project report.

Course: CMPE 280.

Professor: Duc Doan.

By:

Rishindra Reddy Doddikindiwad.

Nergal Issaie.

Janal Bhandari.

Dixita Patodiya.

Project Idea:

Our application manages the devices through one interface. This cloud-based platform aims to connect to multiple devices and collect the sensor data from those devices. It targets mainly the day to day used devices like wearable devices, vehicles, home devices and many more.

This app allows users to connect their devices and access them through our application. It collects sensor data of the multiple devices at real time and servers it on a single screen. This way user can smartly monitor all the devices.

Generally, users wish to access more information in a simple way. We are collaborating different devices and serving this data on a single platform in that way user need not access individual devices for the data. It saves a lot of time for users in access information.

In future, we are planning to integrate big data and machine learning algorithms into our platform to allow users to generate insights from their data. It gives rise to large number of opportunities to collect valuable insights. With integrating IoT platform into the application, it allows the devices to communicate with each other and which in turn will reduces network bandwidth usage.

Benefits:

- Can access different devices through one application.
- Allows you to monitor devices remotely.
- Device independent application, can be access with any device with internet connection.
- Provides analytical platform to visualize the data and observe patterns.
- Saves your time for accessing individual devices.
- Secured, reliable and highly available cloud based application.

Project live URL:

- <http://lowcost-env.ghgad3mct6.us-west-2.elasticbeanstalk.com/>
- Or <https://goo.gl/97qW1V>

Strategy:

We have devised a few strategies for attracting people to use our application. We are planning to invest equal amount of time and effort in marketing, further development and enhancing performance.

Our first strategy is to build appealing user interface and ease of access for any user. User experience with the website is a key factor, better user experience can be achieved by simplifying the content of the website and better classifying the content. With simple labeling of buttons along with easy readability and understandability we can improve user experience to a great extent.

Our second strategy is to integrate machine learning and big data platforms into our application. By doing so we will be able to serve user with valuable insights in their data. Also we enable user to access the analytics and algorithms platform, they can access this platform and customize the visualization of their own data. This will quadruple their experience of accessing data.

By aiming to build better application, we focus on enhancing the performance of current application. Any user will wish to access the information quickly. We value our user time and want to serve him with most services with in less wait time.

As plan to collect the feedback from the users regularly and embrace their comment constructively. We focus on rapid development by improving experience of users on all fronts.