

DEATH RATE FINDER

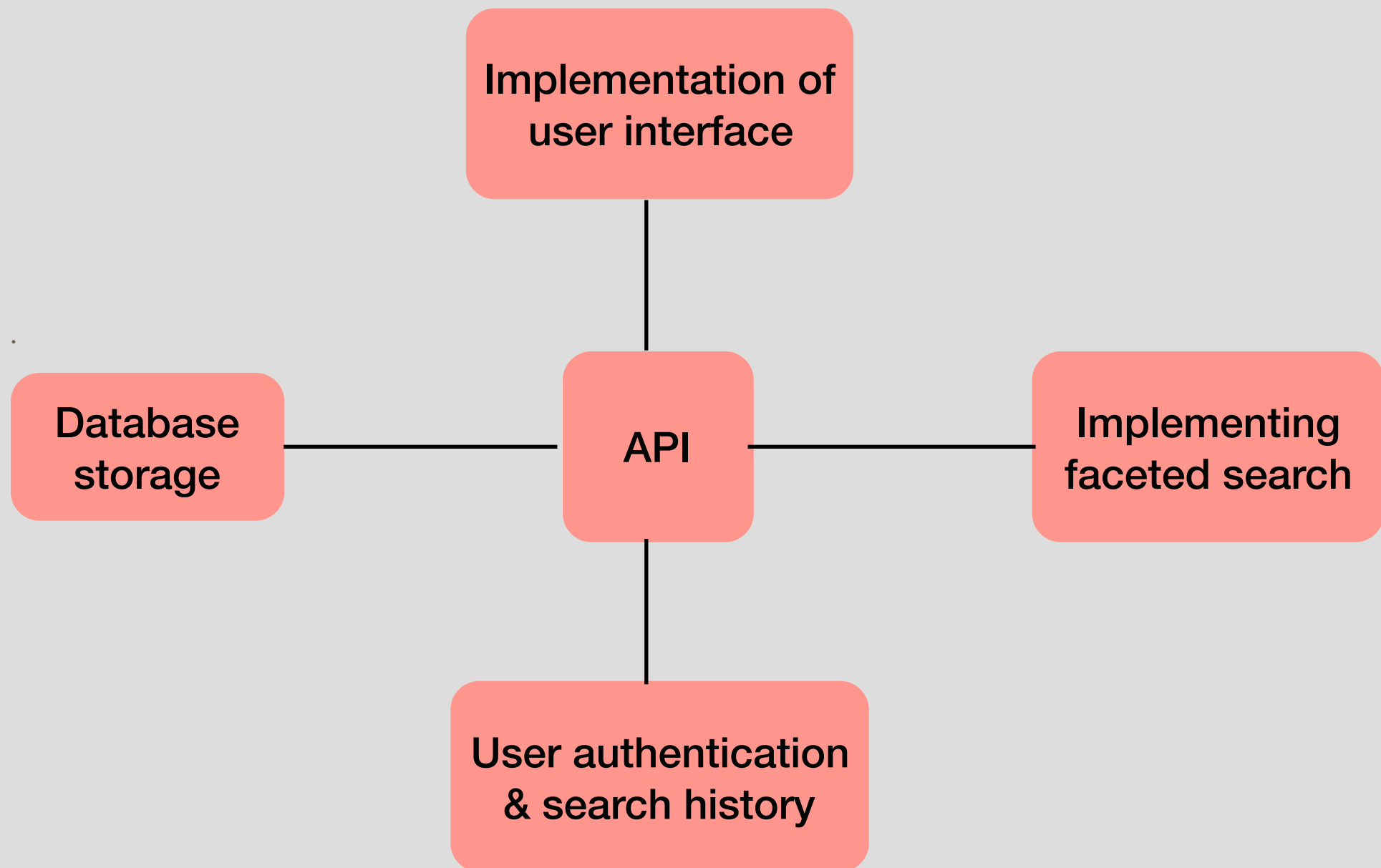


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FUNCTIONALITIES

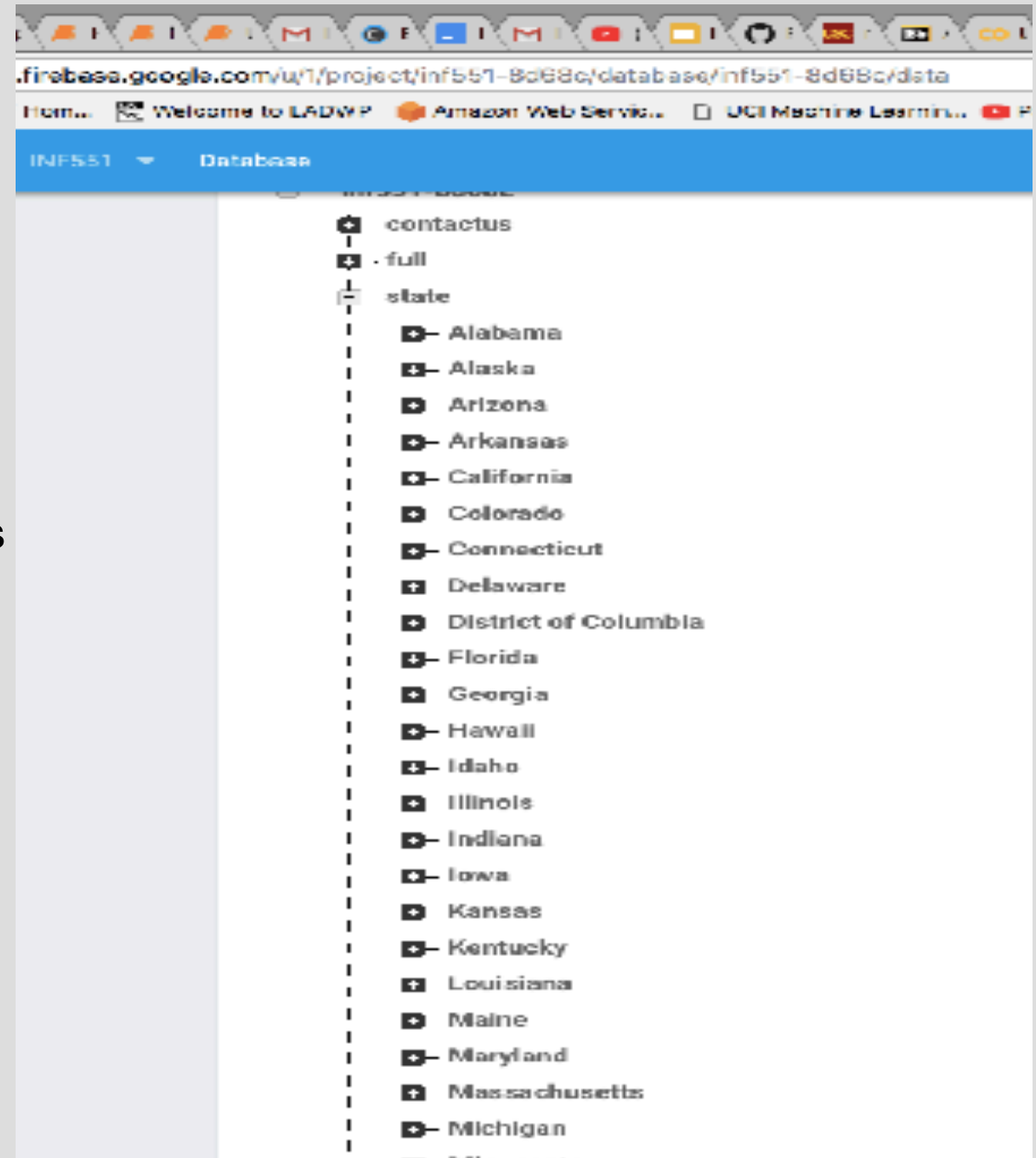
- Web application to search information about death based on state.
- Search can be filtered based on cause of death, year of death and number of deaths.
- Data stored on google firebase cloud storage.
- User login, signup and logout using the email authentication provided by firebase.
- Save searches for future reference.
- Contact Us page for addressing user queries.

WORKFLOW



DATABASE STORAGE

- The death data is fetched from <https://catalog.data.gov/dataset/age-adjusted-death-rates-for-the-top-10-leading-causes-of-death-united-states-2013>
- The data is stored in firebase in the form of nodes and keys for easy access and search.
- Created an inverted index on the state of death for implementation of search functionality.

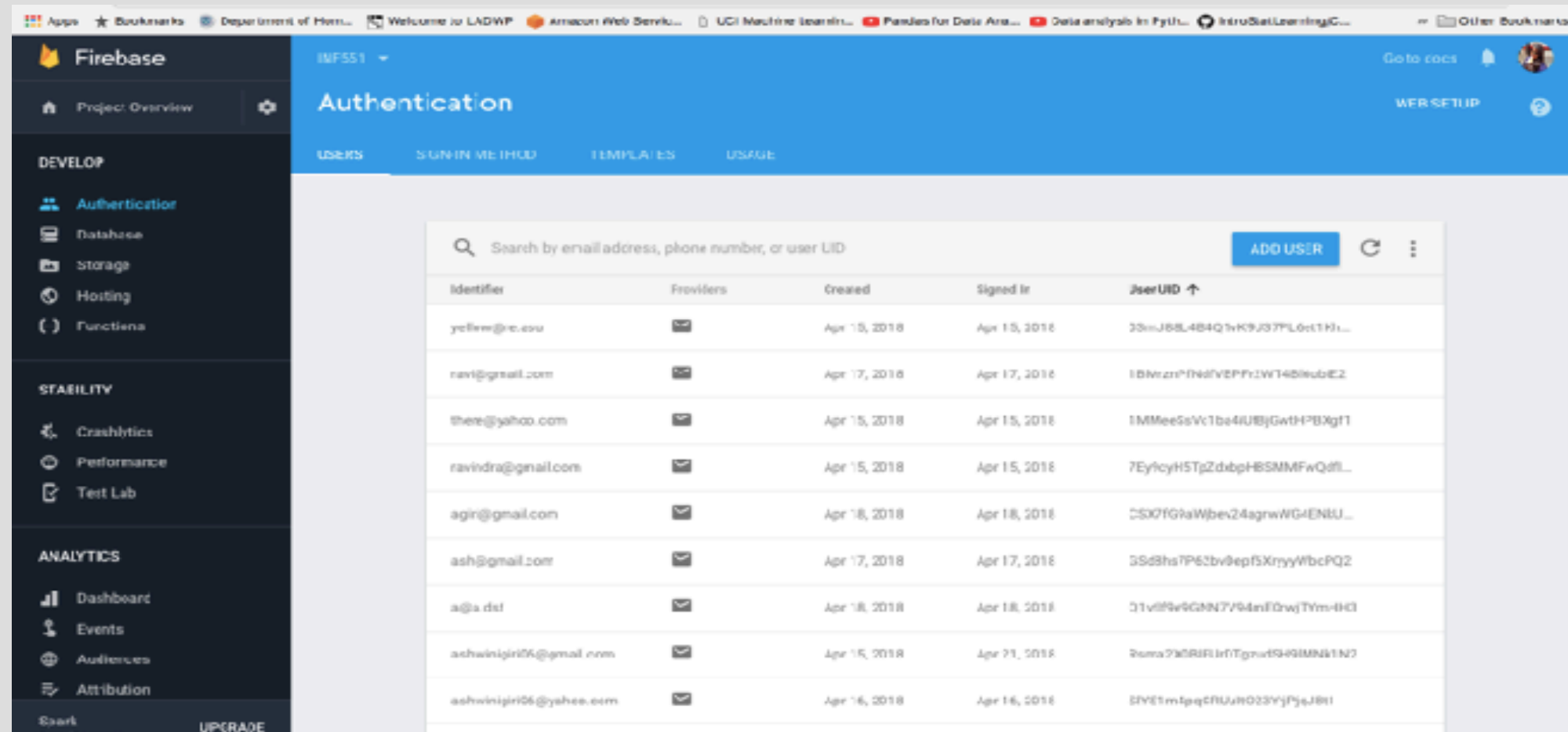


HOME PAGE & UI



- Provided login and signup on the homepage.
- The contact us page can also be addressed from the homepage.
- The UI is implemented using basic HTML, CSS and JavaScript functions.

User Authentication

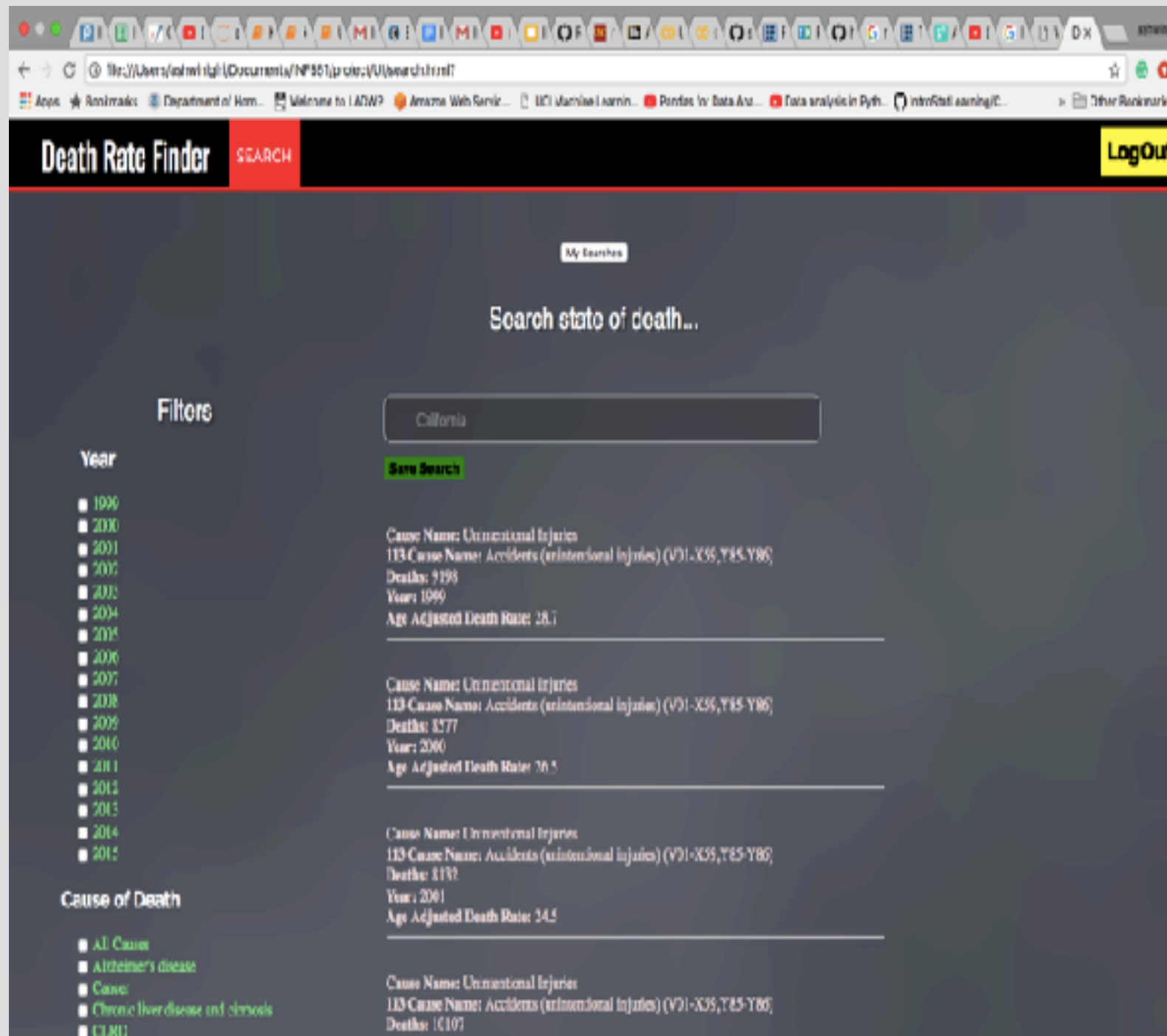


The screenshot shows the Firebase Authentication console. The left sidebar contains navigation links for Project Overview, DEVELOP (Authentication, Database, Storage, Hosting, Functions), STABILITY (Crashlytics, Performance, Test Lab), and ANALYTICS (Dashboard, Events, Audiences, Attribution). The main content area is titled 'Authentication' and includes a search bar, an 'ADD USER' button, and a table of users.

Identifier	Providers	Created	Signed In	User UID ↑
yellow@re.edu	📧	Apr 15, 2018	Apr 15, 2018	23mJ6BL4B4Q3nK9J37PL6et1K1...
navi@gmail.com	📧	Apr 17, 2018	Apr 17, 2018	1BhNzmP7NdV2EPFr1WT4B8ubIE2
there@yahoo.com	📧	Apr 15, 2018	Apr 15, 2018	1MMeeSsVc1ba4U8jGwHPBXgt1
ravindra@gmail.com	📧	Apr 15, 2018	Apr 15, 2018	7EYfcyH5TpZdxbH8SMMFwQdfl...
agiri@gmail.com	📧	Apr 18, 2018	Apr 18, 2018	C5D7FG9aWbeV24agrwWG4ENBU...
ash@gmail.com	📧	Apr 17, 2018	Apr 17, 2018	3Sd8hs7P62bv8epf5XrnyyWbcPQ2
a@a.dsl	📧	Apr 18, 2018	Apr 18, 2018	Q1v8Hw9G8N7V94nFQwJTYm-BH3
ashwinigiri26@gmail.com	📧	Apr 15, 2018	Apr 21, 2018	2uma79d8JRlrfTgnv4S48MNA1N2
ashwinigiri56@yasho.com	📧	Apr 16, 2018	Apr 16, 2018	5VE1mtpqCRUuH023VjFj5J8H1

- Users are authenticated using the email authentication provided by firebase.

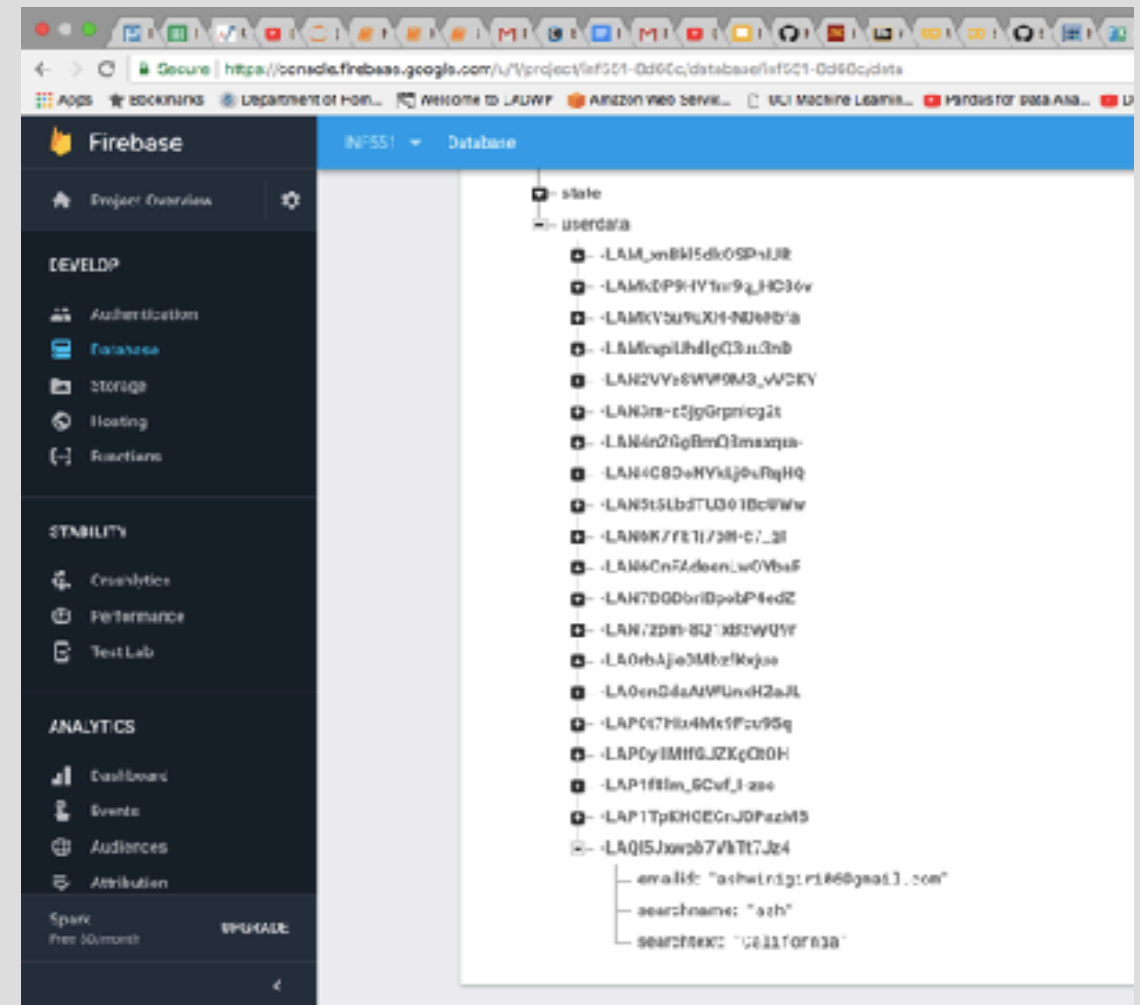
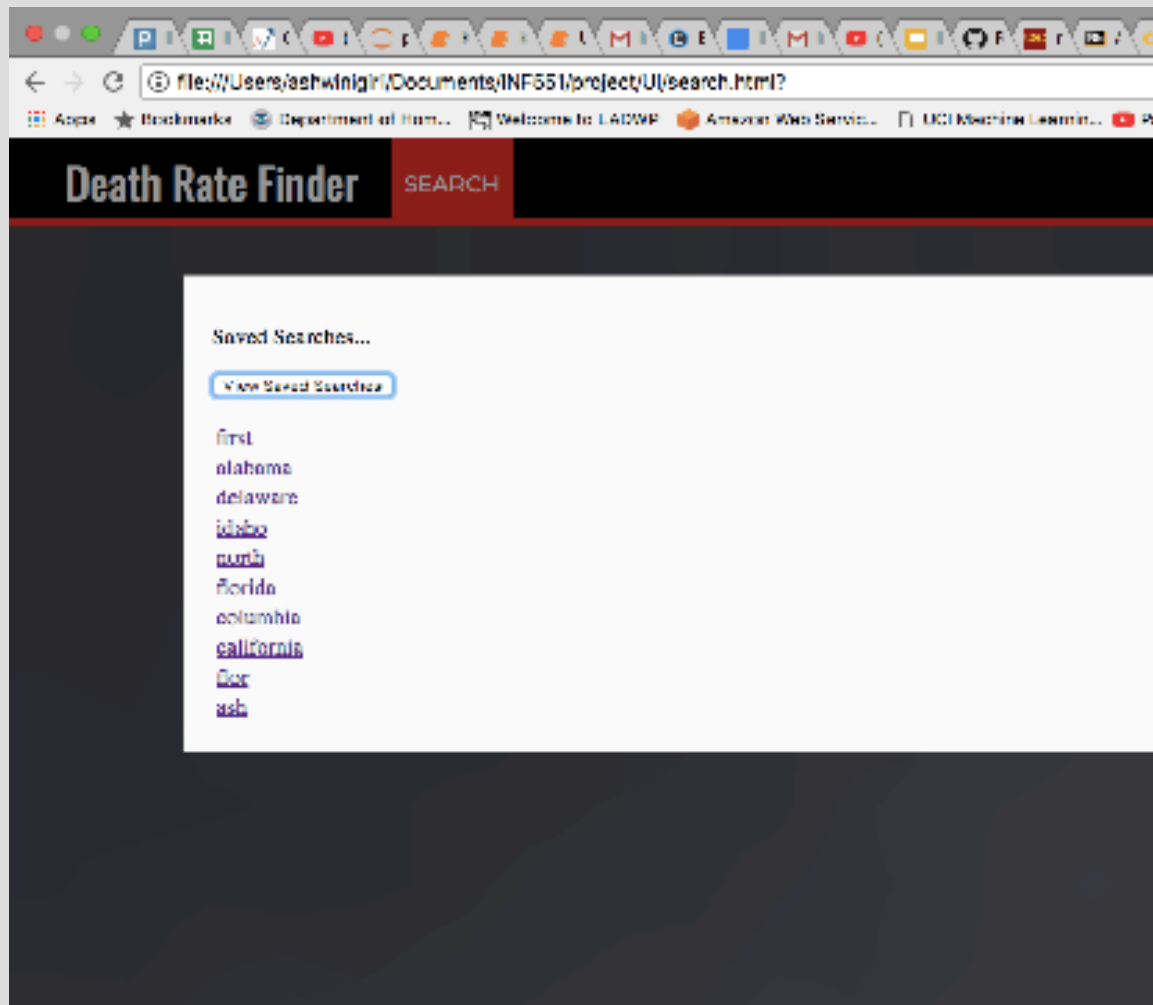
FACETED SEARCH



After user login the search provides 3 filters for data

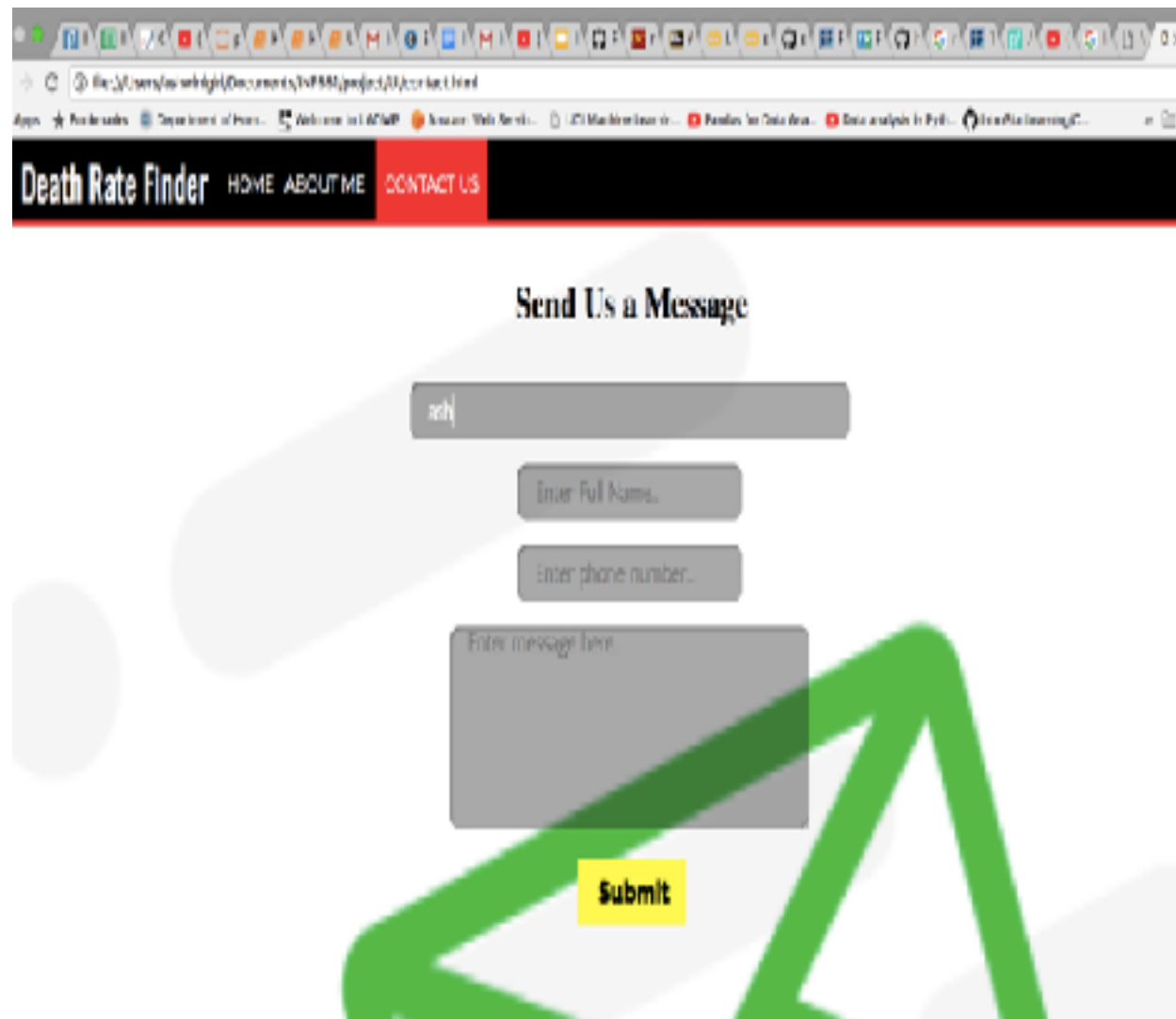
1. Cause of death.
2. State of death.
3. Year of death/s.

Save User Search History



- The current logged in user can save the search and also retrieve already saved searches.
- User's search history is saved on firebase database.

Contact Us



Death Rate Finder HOME ABOUT ME CONTACT US

Send Us a Message

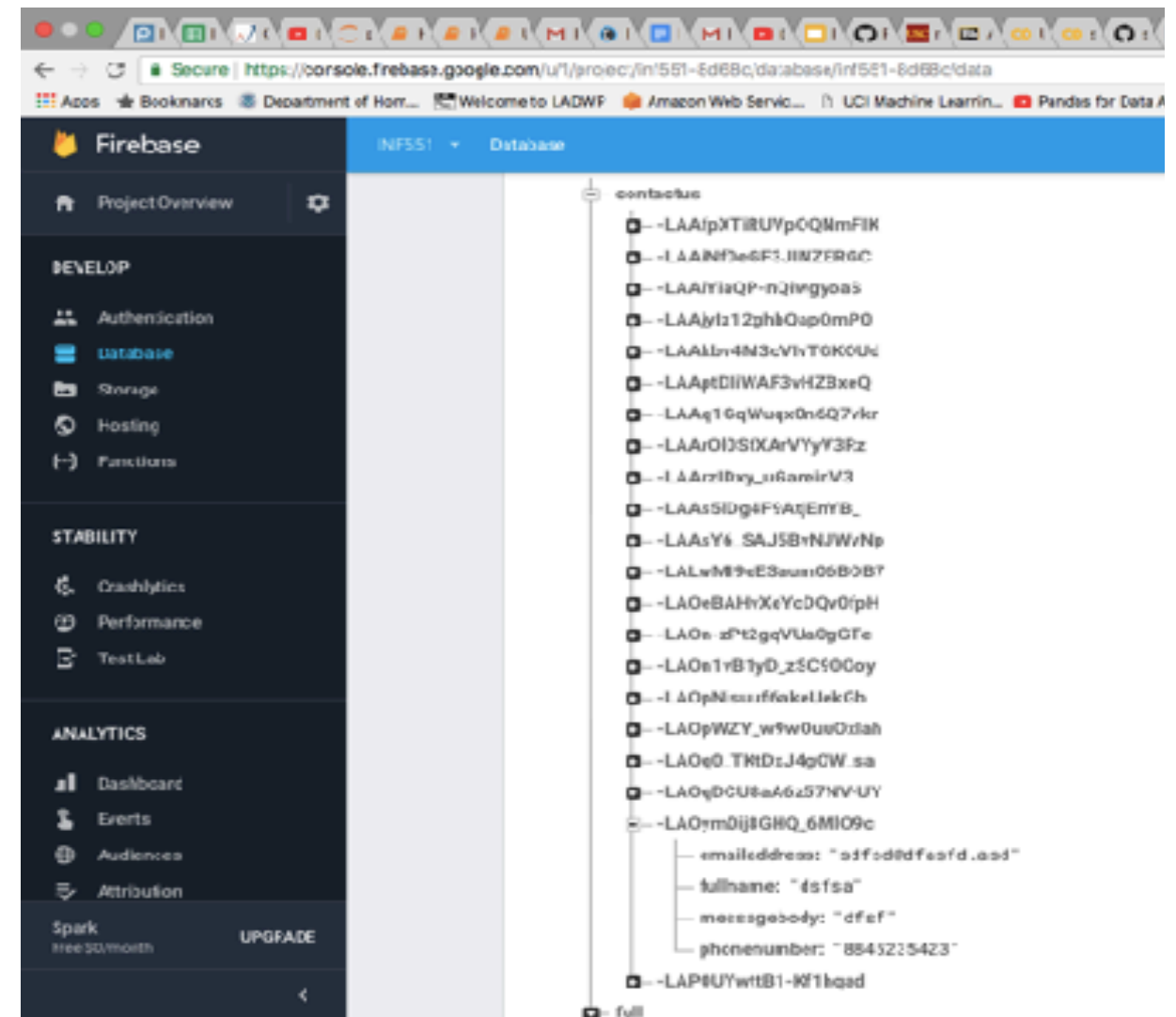
ash

Enter Full Name..

Enter phone number..

Enter message here

Submit

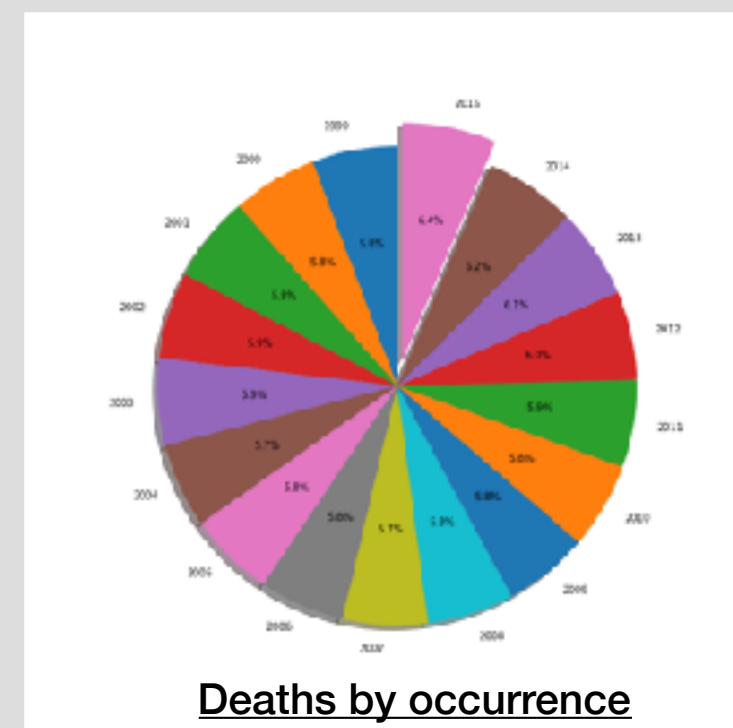
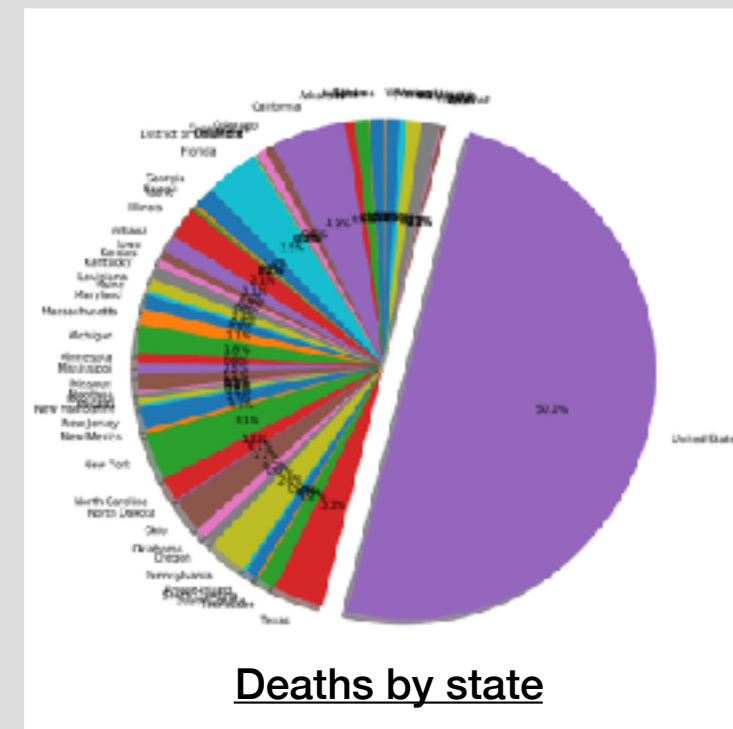
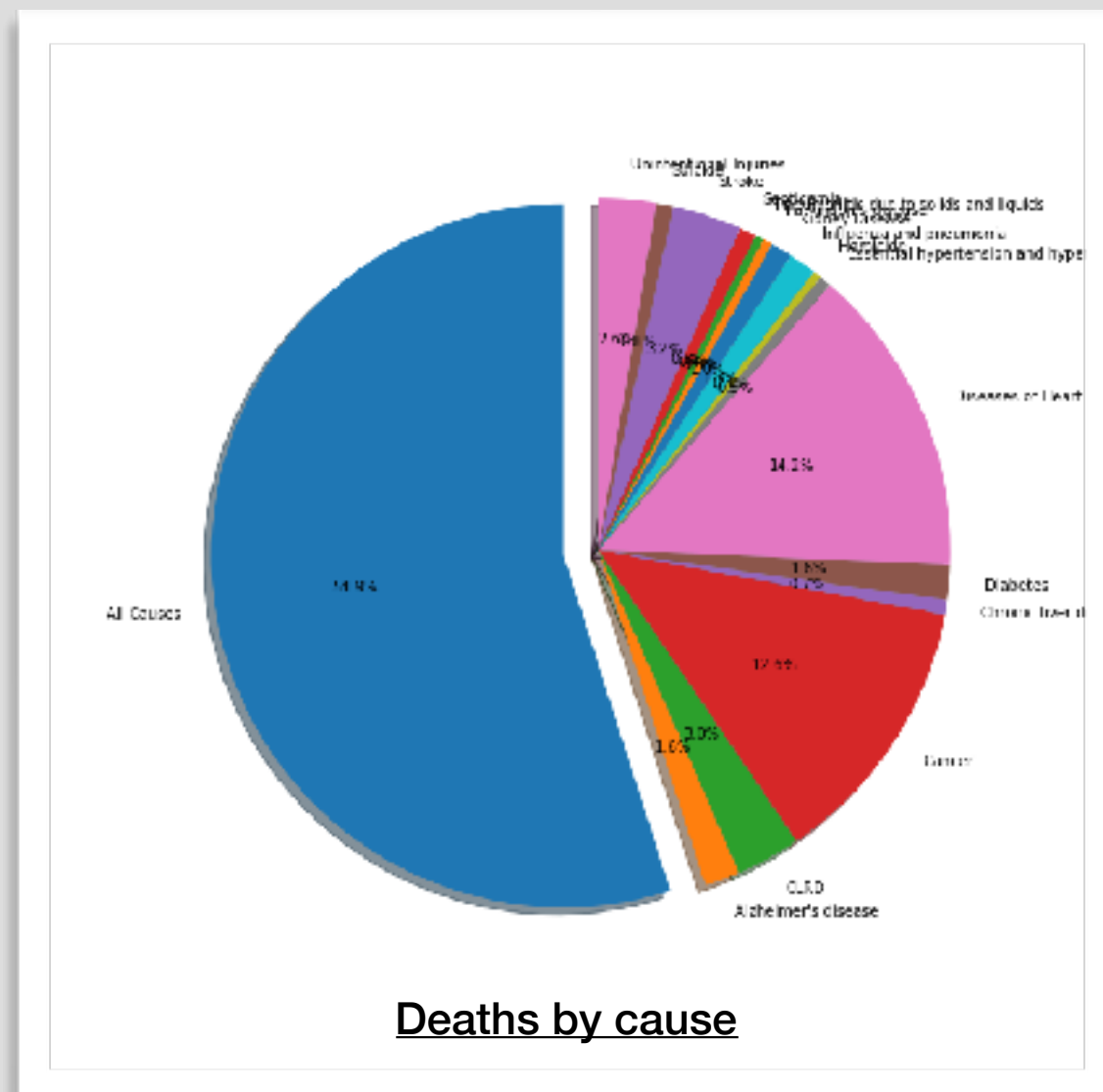


- User can send their queries to the developer team.
- Data is saved on firebase database.

Real World Use

- Medical researchers may use this application for diagnosis.
- Government may use the application for census monitoring and population information purposes (filter based on number of death)
- Epidemiological surveys (filter based on cause of death)
- The application may be used by general public for informative purposes
- This application can be combined and used as a part of other applications.

Some Data Inferences



THANK YOU !!