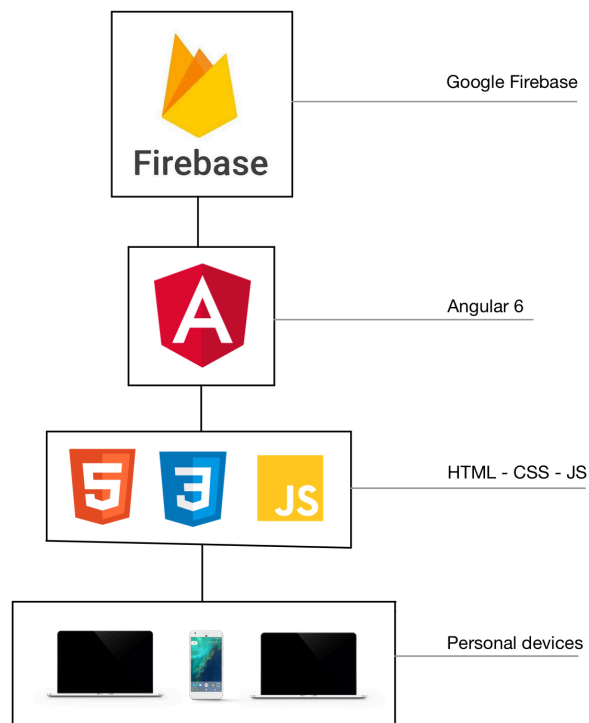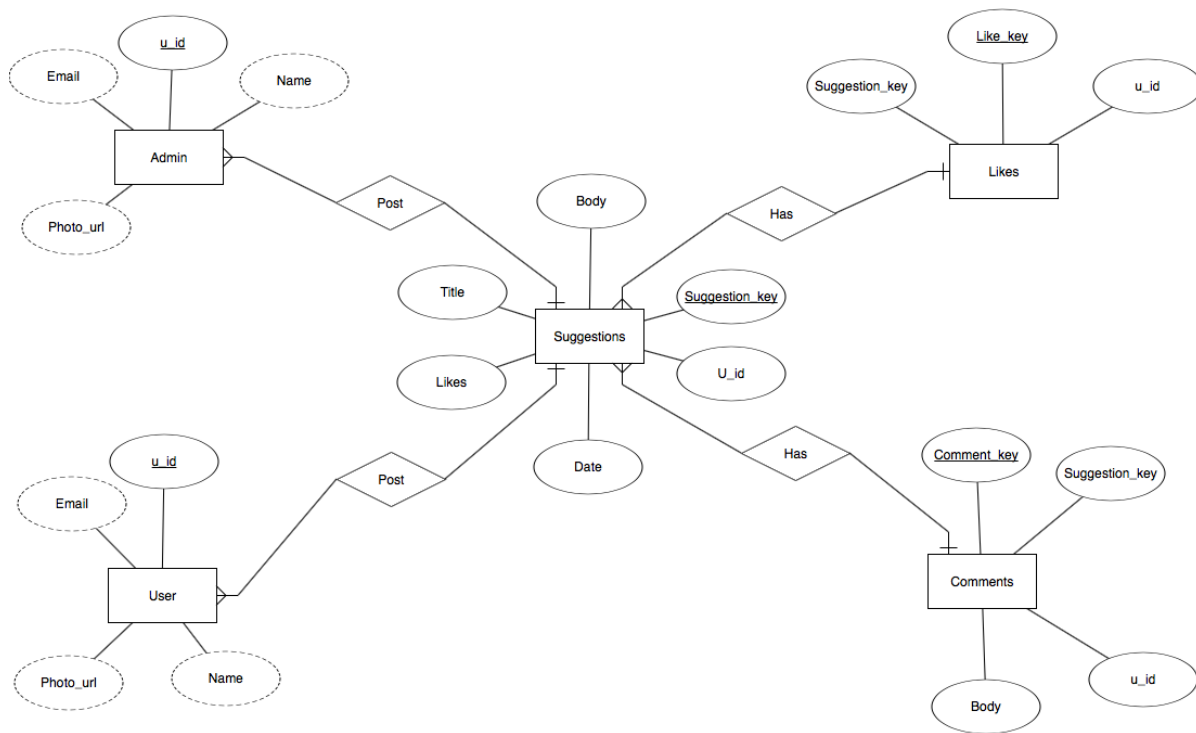# PROJECT REPORT

Project Description:

- The project aims to make an intuitive website to bridge the gap between the administration and the students.
- The website also includes detailed analytical graphs for the admin.
- High priority is given to privacy and anonymity of users at Collegelink.
- Collegelink makes efficient use of upvotes for analysis and comments for user interaction.
- Utmost importance is given to constructive criticism that leads to an overall betterment of the institution.

Project Architecture:

Google Firebase

Angular 6

HTML - CSS - JS

Personal devices

ER Diagram:

Technologies Used:

- **Angular 6**
  JavaScript Framework used to handle the Web front-end.

- **HTML 5**
  HTML is the language used to create webpages. "Hypertext" refers to the hyperlinks that an HTML page may contain.

- **CSS 3**
  CSS is the language for describing the presentation of Web pages, including colors, layout, and fonts.

- **JavaScript**
  JavaScript is a client-side scripting language, which means the source code is processed by the client's web browser rather than on the web server.

- **Google Firebase**
  Realtime Database. Firebase provides a realtime database and backend as a service. The service provides application developers an API that allows application data to be synchronized across clients and stored on Firebase's cloud.

CRUD Operations Example Code:

Create User:

```
registerUser(uid: String) {to a
    firebase
      .database()
      .ref("/Users")
      .push(uid);
    console.log("New User Registered");
    this.router.navigate(["/home"]);
  }
```
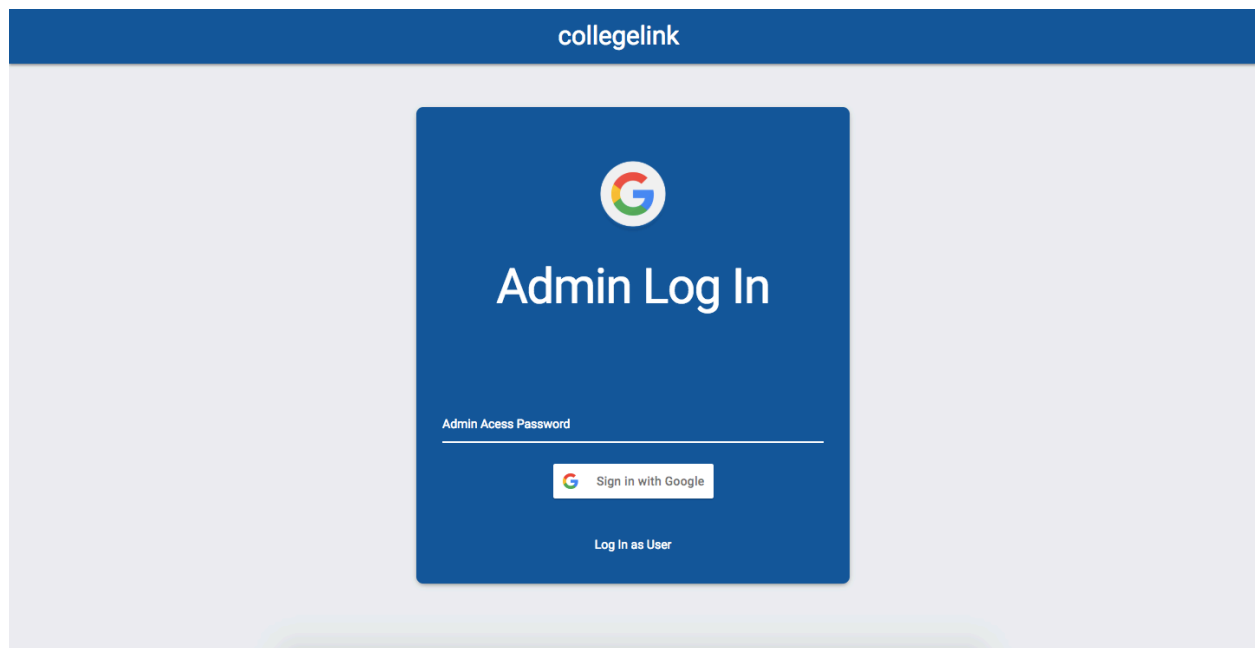
Read Data:

```
db.list("/Suggestions")
      .valueChanges()
      .subscribe(suggestion => {
        this.suggestions = suggestion;
        console.log(this.suggestions);
      });
```

Update Data:

```
updateLikes() {
    var updates = {};
    updates["/Suggestions/" + this.selectedPost.key] =
this.selectedPost;
    firebase
      .database()
      .ref()
      .update(updates);
  }
```

Web Screenshots:

User Information

Shubham Mankar

themrshubh@gmail.com

+

Switch to Whiteboards

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Suspendisse id ipsum tempor, porta urna id, pellentesque turpis. In neque risus, consequat ac lectus et, aliquet fermentum urna. Mauris eros neque, rhoncus non consequat maximus, condimentum id orci. Donec vitae libero venenatis, efficitur ipsum eleifend, pellentesque lectus. Duis elit velit, porttitor vel dapibus at, tempus sit amet nunc. Sed consectetur viverra mi. Nulla facilisi. Phasellus tincidunt eu neque eget congue. Integer molestie dictum ligula, eget posuere augue laoreet non. Sed convallis interdum urna eget laoreet. Proin consectetur hendrerit mattis. Morbi nec dictum arcu. Cras porttitor finibus tincidunt.

View More

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Switch to Whiteboards

↑ 3 💬

Date Posted: 2018/10/14

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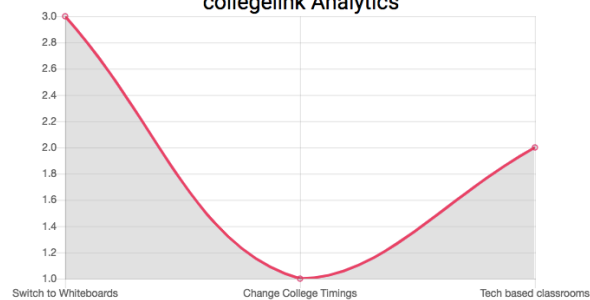
Comments

✓✓ Chalk boards are untidy

✓✓ Admin Response: We will be making the transition soon. Thanks for your suggestion

Close

---

collegelink Analytics

3.0		
2.8		
2.6		
2.4		
2.2		
2.0		
1.8		
1.6		
1.4		
1.2		
1.0		

Switch to Whiteboards   Change College Timings   Tech based classrooms

BACK   GENERATE ANALYTICS ⊞

Future Work:
- Advanced filter options will be available.
- Collegelink integration with native college websites will be offered.
- Intelligent encryption, machine learning, sentiment analysis add further scope to the existing website.

Conclusion:
- A well designed and user friendly application that help institutions gain continuous feedback and improve. CollegeLink also gives students an opportunity to anonymously put forth their suggestions for implementation.