Divide and Conquer

Joshua Gilmon, JaeHong Park, Landon Williams

Georgia Southwestern State University
College of Business & Computing
Americus, Gerorgia
[jgilmon, jpark14, lwilli56]@radar.gsw.edu

Abstract—This project consists of creating a website where local schools will be able to register a team of students for GSW's annual math tournament. There are two main pieces we will create: The front-end development, which is where the schools will interface with the site to register and edit teams, and backend development, which will consent of managing access and data for this site. The front end will consist of, but not limited to, information about the event, pages for sign in, account creation, team registration, payment processing, and team editing. The leader of the team will login with a previous account or make one when they first reach the page. Once logged in they can either create a team associated with their account or edit the current team associated with it. They will be able to view and edit all data including team members and predetermined data for each member. Once we have finished this project, we will have touched every corner of what we have learned through our time in the Computer Science department at Georgia Southwestern.

Index Terms—web development, security, sql

I. PROJECT MANAGEMENT

We chose to use the waterfall model of software engineering on this project.

A. Requirement Gathering

We found that we need to make a website for users to register for the GSW math tournament. To do this we need to have an intuitive front end and a fast and easy to understand backend. It needed to have user authentication. We need this so we can tell which users handle which schools and students. It needed to be secure because it would be taking credit card payments and storing user data. It needed to have a file that was outputted through the website that was from the database that worked with the existing systems in place.

B. Planning

1) Project Size: Overall it was a medium sized project.

2) Cost: Around $7,000 with current prices for employees.

3) Duration: Around 4 months.

4) Effort: Decent amounts of effort will be needed to complete it on time.

C. Deployment

This project should be hosted on a Linux based server with ample space and networking capabilities.

II. OVERVIEW

When we discussed the project at first, we decided to go node.js as our back-end JavaScript server. Using this allowed us to connect and retrieve data from the database mentioned above. Node.js was not able to accomplish this alone, there are a couple of libraries that we had to use to achieve this. The first being Express.js. They gave us the ability handle routes that passed data from our frontend to our backend and vice versa with ease. The second framework we used was MySQL. This allowed us to create connections to our MySQL database and return the data for our end users to see. [1]

A. Node.js via 443

As for the Node.js we contained all its code within a single JavaScript document called App.js. We decided not to have skeleton for node.js because we did not have enough routes to justify the complexity. Once we had a few pages working on the localhost of our server we decided to tackle getting node.js to work over port 443 alongside the site so anyone could access the site and it work for them. The route requests come to the server over port 443, the reverse proxy translates it to port three thousand, the data leaves node.js over port three thousand and the Apache server sends the response back over port 443 to the client's browser. [2]

B. GUI

The site itself is comprised of two main sections. The first being where the user lands when the user has never visited the site before. This page and its associated pages do not require you to be logged in. They are for information regarding the math tournament. That may be previous winners, location, requirements, rules, or upcoming events. From this page there is a login button. When pressed it will take you to the log in page that requires valid credentials to go any further. Once logged in the site is straight forward. You have school information that you can edit. This allows you to enter the school's name, sponsor name, sponsor email address, phone number, and meal tickets. This information is saved and associated with the account logged in. Once your school information is entered, you can add and edit teams. You can add multiple teams as well as add up to eight students per team. The student information that you enter is straight forward. You simply enter the first and last name, and then the ID number for the students is based off the team and the other

students associated with the team. The team ID numbers are also generated based on the number of schools associated with the division that the school is in. For the overall look and feel of the site I leveraged the CSS library Bootstrap. This allowed for use to create a fluid and consistent site for our end users that is both appealing and effective. [2]

C. Event-driven programming / OOP

On these pages I use user driven events such as button presses to call routes to pass data. For instance, when a user presses the add team button. The route https://math.gswcm.net/JS/add_team is called and it adds a team to the associated school for the user that is logged in. The page is force refreshed and then the new team is displayed along with any other team that is associated. This is the same methodology used when a user makes any changes across the site. A good example of using OOP is saving team data. Based on the team data that the user enters I generate a student that has the values that the user enters. This data is formatted as JSON objects and pushed to the database via Node.js that parses through the object to get each individual student's data.

III. DATABASE

Database is necessary to store many data, search data and store data. There are several types of databases. There are different database management systems such as non-tabular databases like database management system and NoSQL which are non-relational databases. The one used for the project is relational database management system (DBMS). MySQL is DBMS in which entities have relationships with each other [3]. We chose to use DBeaver due to its cost-effectiveness, cross-platform compatibility, built-in SQL reformatting capabilities, and automatic updates to entity-relationship diagrams [3].

A. DBMS

The reason we chose DBMS (Database Management System) is because it ensures data safety through multiple security layers, including authorization codes, so that even if the program crashes, data should be stored securely. The database is replicated, enabling fault tolerance, and allowing concurrent access. Therefore, if there is a sudden power failure or system shutdown, data replication saves the day [4] [5]. Data is stored in tabular form with rows and columns, making it easy to access, retrieve, and manipulate. It can easily scale to handle large data quantities, and indexes help sort data and improve performance. RDBMS also enables the creation of virtual tables for storing sensitive data. Multiple users can access data simultaneously in RDBMS. It is user-friendly and supplies a well-organized structure for managing data [6].

B. ACID

Atomicity is a property that ensures that a transaction's complete set of operations is either processed entirely or not at all. If the transaction cannot be completed, it must be rolled back. Consistency is a property that ensures all transactions adhere to integrity constraints. Isolation is a property that ensures that two transactions cannot affect each other. This means that while one transaction is being executed, the other must not be able to access it. Durability is a property that ensures that after a transaction has been completed, its results are permanently stored in the database, even if a system failure.

C. Entity Relationship Diagram (ERD)

Entity relationship diagram helps users to understand the database easily. Each table will have one primary key. The primary key from a table will be a foreign key for another table to make a relationship between tables. From the ERD below, Division table has DivisionPK which is a primary key of the table. The primary key is a foreign key in School table, Team table and Students table. Here is another reason ERD is used. There are lines connecting two different tables. There are different shapes at each end of the lines. Two straight lines means one and one straight line with trident shape means many. For example, Division table and School table, the line stands for "one division have many school" Which could also be "many schools are in one division." Likewise, UserAuth table and School table, the line stands for "One user can have one school" which also means "One school can be owned by one user."
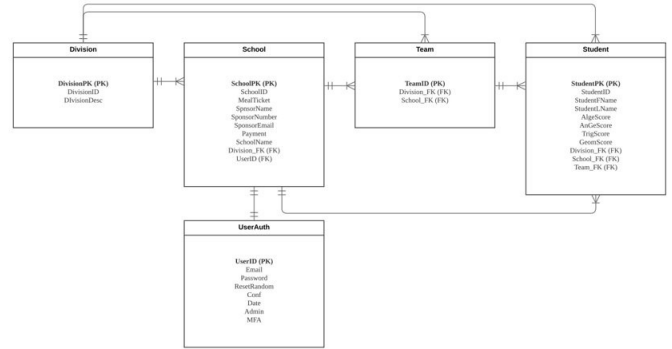
D. Primary keys

DivisionPK, TeamPK, and StudentPK, all of which are of data type int unsigned with auto-increment. DivisionID is of data type int (1) unsigned, TeamID is of data type int (2) unsigned, and StudentID is of data type int (1) unsigned. Based on these data types, it can be inferred that there will be less than 10 divisions with a maximum of 9, less than 100 teams per tournament with a maximum of 99, and less than 10 students per team with a maximum of 8.

E. Database Summarization

The database is designed to accommodate tournaments with multiple divisions, each of which has less than 100 teams. Each team can have up to 8 students, and the database is perfected to handle tournaments with less than 10 divisions. On the website, we implemented the ability to add up to 8 students for each team. This means that for each team, a maximum of 8 students can be registered. We made this adjustment to ensure that the database can handle tournaments with teams consisting of a maximum of 8 students per team.

F. SQL Scripts

The website is implemented with some buttons with SQL scripts for easier use for the management. There are scripts for the manager to fetch the top scorers, to reset the database and to output the text file to implement an application for grading. For resetting the database, TRUNCATE function is used many times, but the database had many relationships between tables and the relationships which prohibited using TRUNCATE function so used DELETE function instead. Below are the scripts implemented.

1) Fetching Top Scores: [7]

```
SELECT
  Division.DivisionID ,
  Team.TeamID ,
  Student.StudentID ,
  Student.StudentFName ,
  Student.StudentLName ,
  Student.TotalScore
FROM Division
LEFT JOIN School ON School.Division_FK = Division.DivisionPK
LEFT JOIN Team ON Team.School_FK  = School.SchoolPK
LEFT JOIN Student ON Student.Team_FK  = Team.TeamPK
ORDER BY Student.TotalScore DESC ;
```

2) Reseting Database: [8] [9]

```
DELETE FROM Student ;
DELETE FROM School ;
DELETE FROM Team ;
DELETE FROM Division ;
```

3) Database Output File: [10]

```
SELECT
CONCAT(COUNT(s2.SchoolID), ' ', t.Division_FK, '
', s2.SchoolID, ' ', s2.SchoolName) as TeamInfo,
GROUP_CONCAT(CONCAT(StudentFName, ' ', StudentLName))
AS StudentNames
FROM
Student s
JOIN
Team t ON t.TeamPK = s.Team_FK
JOIN
School s2 ON t.School_FK = s2.SchoolPK
GROUP BY t.Division_FK, s2.SchoolID, s2.SchoolName;
```

IV. Security

A. Password Hashing

There are many issues with storing passwords, we need to ensure that if the passwords are ever stolen, they aren't usable to the attacker. To do this we need to encrypt the password. I have chosen the BCrypt encryption algorithm. Hashing is a "one-way" encryption method which means that you can only crack this password by guessing many and many times until you find a password that will supply the same hash [11]. We can make this harder to do by using salt. A salt is done through "adding random data to the input of a hash function to guarantee a unique output" [12]. So, using this method even if an attacker already had common password hashes it would be impractical for them because each password is unique no matter if the actual password is or is not.

B. Multi-factor Authentication (MFA)

Multifactor Authentication gives us another line of defense against attackers. According to the Cybersecurity and Infrastructure Security Agency MFA is "a strong authentication method. It requires two or more factors to gain access to the system. Each factor must come from a different category above (e.g., something you know and something you have)" [13]. Google conducted a study on the significance of MFA and found that "using MFA blocked 100 percent of automated bots, 99 percent of bulk phishing attacks, and 66 percent of targeted attacks on users' Google accounts" [13]. This added protection allows us to be confident that if the service was attacked with a brute force attack on the login page it will not allow them to enter unless they break through two layers. For this we used two packages: Speakeasy [14] and QRCode [15].

C. Request Verification

We must verify user requests and we have chosen re-CAPTCHA to do this for us. There are many versions of reCAPTCHA, and we decided to use version two due to the ability to challenge a request to verify if they are a valid request [16]. Instead of version three which will assign a score to them based on their behavior [16]. There is an issue with using version two, it seems that many people were able to use software to solve the challenges for the bots which defeats the whole purpose of using reCAPTCHA [17]. With this discovery I would recommend in the future changing to the new reCAPTCHA version three or to a different system overall.

V. List of Tools We Used

A. Apache

We used Apache's HTTP Server to host our server and transport data back and forth from the user to the server. We did this transport over port 443 which is the port for HTTPS (Hypertext Transfer Protocol Secure). We did this to ensure all data that gets sent will be secure when going over the network. It also acts as a proxy for port 3000, used in Express.js, which we will talk about next [18].

B. Express.js

We used Express.js as our request handler from the HTTP server to our app.js backend. This is to allow us to have communication from our front end to our back end. All our backend request handlers are hardcoded to avoid insertion attacks [19].

C. MySQL

We used MySQL as our database. We chose this because it is easier for us to set up and manage and having an easily understandable structure that JaeHong "Joseph" built we were able to easily create queries and add and remove data as we needed to. As well as MySQL allowed us to connect to Node.js easier than an alternative database like MongoDB [20].

D. Node.js

We used Node.js as our runtime environment. We chose this due to its easy-to-use nature and the fact that it is open source. We also enjoyed the fact that it came with NPM (Node Package Manager) that allowed us to install packages easily [1].

E. Process Manager 2 (PM2)

Process Manager 2 (PM2) was our process manager for our JavaScript backend. PM2 allowed us to have easy and quick reboots as well as logs that allowed us to track down issues with our app.js. It also supplies a monitoring dashboard that we can use to view the status of the server and any issues that have occurred [21].

VI. FUTURE WORK

A. Further Documentation

This project is somewhat difficult to understand from an outsider perspective. It will require extensive documentation to ensure that it can be maintained throughout its life expectancy.

B. Cleaning up Front end

The front end could be more intuitive and visually appealing to the eye.

C. Switching to web tokens for authentication

Instead of using a random 30-character long screen to determine who is signed in we should use web tokens, so it is harder to brute force into the system.

D. Docker

We should use Docker to make the webserver easier to scale and maintain not requiring extensive setup when scaling up or down.

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APPENDIX

For a better viewing experience please visit our GitHub page. https://github.com/JoshuaGilmon/Divide-Conquer

File 1. app.js

```
1   const express = require('express')
2   const cors = require('cors')
3   const bodyParser = require('body-parser');
4   const app = express()
5   const port = 3000
6
7   app.use(cors())
8
9   app.use(bodyParser.json());
10
11
12  const mysql = require('mysql');
13  const bcrypt = require('bcrypt');
14  var randomstring = require("randomstring");
15  var nodemailer = require('nodemailer');
16  var SpeakEasy = require('speakeasy');
17  const shell = require('shelljs')
18  var QRCode = require('qrcode');
19  const { json, urlencoded } = require('body-parser');
20
21  const connection = mysql.createConnection({
22      host: "localhost",
23      user: "",
24      password: "",
25      database: "regdata",
26  });
27
28  const newconnection = mysql.createConnection({
29      host: "localhost",
30      user: "",
31      password: "",
32      database: "registrationData",
33  });
34
35  connection.connect();
36
37  // Here, 'results' is an array of rows returned by the query
38  // You can pass this data to the web browser in a JSON file
39
40  // Route to handle form submission
41
42  // define a route for the POST method
43
44  app.post('/update_team', (req, res) => {
45
46      const formData = req.body; // Assuming you're using a middleware like body-parser to parse the request body
47
48      // Loop through the form data and insert it into the MySQL table
49      formData.forEach((data) => {
50
51          const sql = `UPDATE Student SET StudentLName ='${data.field2}', StudentFName ='${data.field3}', StudentID = '${data.field}'  Where StudentPK='${data.field1}''`;
52
53          newconnection.query(sql, (err, result) => {
54              if (err) throw err;
55              console.log(`Inserted ${result.affectedRows} row(s)`);
56          });
57      });
58
59      res.send('Form data inserted into MySQL table');
60
61  });
62
63  app.post('/update_school/:id', (req, res) => {
```

```javascript
64      const id = req.params.id;
65      const name = req.body.name;
66      const DivisionID = req.body.DivisionID;
67      const MealTicket = req.body.MealTicket;
68      const SponsorName = req.body.SponsorName;
69      const SponsorEmail = req.body.SponsorEmail;
70      const SponsorPhone = req.body.SponsorPhone
71
72      // update the user in the MySQL database
73      const sql = `UPDATE School SET MealTicket = '${MealTicket}', SchoolName = '${name}', Division_FK = '${DivisionID}', SponsorName = '${SponsorName}', SponsorEmail = '${
            SponsorEmail}', SponsorNumber = '${SponsorPhone}' WHERE SchoolPK = '${id}'`;
74      newconnection.query(sql,(err, result) => {
75        if (err) throw err;
76        console.log('User updated');
77        res.send('User updated');
78      });
79    });
80
81    app.post('/add_team/:id', (req, res) => {
82      const id = req.params.id;
83
84      const sql2 = `SELECT
85      CASE
86      WHEN count(TeamID) is null then 1
87      ELSE count(TeamID) + 1
88      END as "teamid",
89          Division_FK as "division"
90    FROM
91          Team
92    WHERE
93          Division_FK = (SELECT Division_FK FROM School WHERE SchoolPK = '${id}')
94    GROUP BY Division_FK `;
95      newconnection.query(sql2,(err, result) => {
96        if (err) throw err;
97        console.log('User updated');
98
99        try{
100          value = parseInt(result[0].teamid)
101        }
102        catch{
103          value = 0 + 1
104        }
105
106        const sql2 = `SELECT Division_FK FROM School WHERE SchoolPK = '${id}'`;
107      newconnection.query(sql2,(err, result1) => {
108        if (err) throw err;
109
110      const sql = `Insert Team Set TeamID = ${value}, School_FK = '${id}', Division_FK = '${result1[0].Division_FK}'`;
111      newconnection.query(sql,(err, result) => {
112        if (err) throw err;
113        console.log('User updated');
114        res.send('User updated');
115      });
116    });
117    });
118    });
119
120    app.post('/add_student', (req, res) => {
121      const { school, team} = req.body;
122
123      const sql2 = `SELECT
124          Division_FK as "division"
125      FROM
126          School
127      WHERE
128          SchoolPK = '${school}'
129          `;
130      const Schoolinfo1 = newconnection.query(sql2,(err, result1) => {
131        if (err) throw err;
132        console.log('User updated');
133      const div1 = result1[0].division
134
135
136      const sql1 = `SELECT
137          CASE
138          WHEN count(StudentID) is null then 1
139          ELSE   count(StudentID) + 1
140          END as "studentid"
141      FROM
142          Student
143      WHERE
144          Team_FK = '${team}'
145          and
146          School_FK = '${school}'
147          `;
148      const Schoolinfo = newconnection.query(sql1,(err, result1) => {
149        if (err) throw err;
150        console.log('User updated');
151      const studID = result1[0].studentid
152
153      if(studID <= 8){
154
155      const sql = `Insert Student Set Team_FK = '${team}', StudentID = '${studID}', StudentFName ='First Name', StudentLName ='Last Name', Division_FK = '${div1}', School_FK = '$
            {school}'`;
156      newconnection.query(sql,(err, result) => {
157        if (err) throw err;
158        console.log('User updated');
159        res.send('User updated');
160      });
161
162    }
163    else{
164        res.send('overeight');
165    }
166    });
167    })
168    })
169
170
171    app.post('/delete_student', (req, res) => {
```

```
172        const { studentPK} = req.body;
173
174        const sql = 'DELETE FROM Student Where StudentPK ='${studentPK}'';
175        newconnection.query(sql,(err, result) => {
176          if (err) throw err;
177          console.log('Team Deleted');
178          res.send('Team Deleted');
179        });
180    });
181
182    app.post('/delete_team', (req, res) => {
183        const { school, team} = req.body;
184
185        const sql = 'DELETE FROM Team Where School_FK= '${school}' AND TeamPK = '${team}'';
186        newconnection.query(sql,(err, result) => {
187          if (err) throw err;
188          console.log('Team Deleted');
189          res.send('Team Deleted');
190        });
191        // const sql1 = 'DELETE FROM Team Where School_FK= '${school}' AND Team = '${team}'';
192        // newconnection.query(sql,(err, result) => {
193        //    if (err) throw err;
194        // });
195    });
196
197    app.post('/top-scores', (req, res) => {
198        const id = req.body.ID;
199                  const sql = 'SELECT Admin FROM UserAuth WHERE UserID = '${id}'';
200                  newconnection.query(sql,(err, result) => {
201                    if (err) throw err;
202                    if(result[0].Admin == 1){
203                      shell.exec('sh /var/www/html/filesSql/Scripts/TopTotalScore.sh')
204                      res.send("Success");
205                    }
206                    else{
207
208                      res.send("Failure");
209                    }
210        });
211        });
212
213    app.post('/reset-database', (req, res) => {
214        const id = req.body.ID;
215                  const sql = 'SELECT Admin FROM UserAuth WHERE UserID = '${id}'';
216                  newconnection.query(sql,(err, result) => {
217                    if (err) throw err;
218                    if(result[0].Admin == 1){
219                      shell.exec('sh /var/www/html/filesSql/Scripts/PermDel.sh')
220                      res.send("Success");
221                    }
222                    else{
223
224                      res.send("Failure");
225                    }
226        });
227        });
228
229
230        app.post('/payment', (req, res) => {
231          const id = req.body.ID;
232          const paid = req.body.Pay;
233                  const sql = 'UPDATE School SET Payment = '${paid}' WHERE UserID = '${id}'';
234                  newconnection.query(sql,(err, result) => {
235                    if (err) throw err;
236                      res.send("Success");
237
238                  })
239
240        });
241
242    app.post('/update_user', (req, res) => {
243        const random = randomstring.generate(30);
244        const randomConf = randomstring.generate(30);
245        const email = req.body.Email;
246        const password = req.body.Password;
247        const password2 = req.body.Password2;
248        //Check for already used email.
249        const sql = 'SELECT EMAIL as "emailData" FROM UserAuth WHERE EMAIL = '${email}'';
250                  newconnection.query(sql,(err, result) => {
251                    try{
252                      console.log(result[0].emailData)
253                      res.send("same-email-error")
254                    }
255                    catch{
256                        if(password == password2){
257                          if(password.length >= 8){
258                          const date = new Date().toISOString().slice(0, 19).replace('T', ' ');
259                          var mfa = SpeakEasy.generateSecret({
260                            name: 'DIVDEANDCONQUER'
261                          })
262                          bcrypt.genSalt(12, function(err, salt) {
263                              bcrypt.hash(password, salt, function(err, hash) {
264                                  const hashed = hash
265                                  const sql = 'INSERT UserAuth SET UserID = '${random}', Email = '${email}', Password = '${hashed}', Conf = '${randomConf}', Date = '${date}', Admin =
                                          '0', MFA = '${mfa.ascii}'';
266                                  newconnection.query(sql,(err, result) => {
267                                    if (err) throw err;
268                                    console.log('User created');
269                                    const sql = 'INSERT School SET Payment = '0', UserID = '${random}'';
270                                    newconnection.query(sql,(err, result) => {
271                                    if (err) throw err;
272                                    console.log('School created');
273                                });
274                                QRCode.toDataURL(mfa.otpauth_url, function(err, data){
275                                  res.send(data);
276                                })
277                                });
278                                });
279                                });
280                                //EMAIL
```

```
281                    var transporter = nodemailer.createTransport({
282                      service: 'outlook',
283                      auth: {
284                        user: 'gswdivideandconquer@outlook.com',
285                        pass: ''
286                      }
287                    });
288
289                    const url = `https://math.gswcm.net/verifyemail.html?ID=${randomConf}`
290                    var mailOptions = {
291                      from: 'gswdivideandconquer@outlook.com',
292                      to: email,
293                      subject: 'Confirm Email for Divide and Conquer',
294                      text: 'Please follow this link to confirm your email: ' + url
295                    };
296
297                    transporter.sendMail(mailOptions, function(error, info){
298                      if (error) {
299                        console.log(error);
300                      } else {
301                        console.log('Email sent: ' + info.response);
302                      }
303                    });
304                  }
305                  else{
306                    res.send('password-less-than-min');
307                  }
308                  }
309                  else{
310                    res.send('password-match-error');
311                  }
312              }
313          })
314    });
315
316
317    app.post('/verifyemail', (req, res) => {
318      const id = req.body.ID;
319                const sql = `UPDATE UserAuth SET Conf = NULL WHERE Conf = '${id}'`;
320                newconnection.query(sql,(err, result) => {
321                  if (err) throw err;
322                  console.log('Email verified.');
323                  res.send("Success");
324          });
325        });
326
327    app.post('/login_user', (req, res) => {
328      const email = req.body.Email;
329      const passwordplain = req.body.Password;
330      const token = req.body.Token;
331            const sql = `SELECT USERID as "usid", PASSWORD as "hash", Conf as "emailConf", MFA as "mfa" FROM UserAuth WHERE EMAIL = '${email}'`;
332            newconnection.query(sql,(err, result) => {
333              try{
334              const usid = (result[0].usid)
335              const emailConf = (result[0].emailConf)
336              const mfa = (result[0].mfa)
337              if (emailConf != null){
338
339                res.send('email-conf-error')
340              }
341              else{
342              mfaVerifyValue = MFAVerify(token, mfa)
343              console.log(mfaVerifyValue)
344              if (mfaVerifyValue == true){
345              bcrypt.compare(passwordplain, result[0].hash, function(err, result) {
346                if (result) {
347                  res.send(usid);
348                }
349                else {
350                  res.send('Failure');
351                } });
352              }
353              else{
354                res.send('mfa-conf-error')
355              }
356                }
357              }
358              catch{
359                res.send('Failure');
360                return false;
361              }
362        });
363    });
364
365    app.post('/passwordreset', (req, res) => {
366        const id = req.body.ID;
367        const password = req.body.Password;
368        const password2 = req.body.Password2;
369      if(password == password2){
370        if(password.length >= 8){
371        bcrypt.genSalt(12, function(err, salt) {
372              bcrypt.hash(password, salt, function(err, hash) {
373                const hashed = hash
374                const sql = `UPDATE UserAuth SET Password = '${hashed}', ResetRandom = NULL WHERE ResetRandom = '${id}'`; //URL id.
375                newconnection.query(sql,(err, result) => {
376                  if (err) throw err;
377                  console.log('User pass updated');
378                  res.send("Success");
379          });
380        });
381      });
382      }
383      else{
384        res.send('password-less-than-min');
385      }
386        }
387        else{
388        res.send('password-match-error');
389        }
390    })
```

```javascript
391
392    app.post('/forgot_user', (req, res) => {
393      const email = req.body.Email;
394
395      const sql = `SELECT EMAIL as "email", USERID as "usid" FROM UserAuth WHERE EMAIL = '${email}'`;
396      newconnection.query(sql,(err, result) => {
397        try{
398          const usid = (result[0].usid)
399          const emaildb = (result[0].email)
400          res.send('Sent')
401
402          const random = randomstring.generate(30);
403
404          const sql2 = `UPDATE UserAuth SET ResetRandom = '${random}' WHERE USERID = '${usid}'`;
405          newconnection.query(sql2,(err, result) => {console.log("Updated")});
406
407          if(email == emaildb){
408            var transporter = nodemailer.createTransport({
409              service: 'outlook',
410              auth: {
411                user: 'gswdivideandconquer@outlook.com',
412                pass: ''
413              }
414            });
415
416            const url = `https://math.gswcm.net/passwordreset.html?ID=${random}`
417            var mailOptions = {
418              from: 'gswdivideandconquer@outlook.com',
419              to: emaildb,
420              subject: 'Reset Password for Divide and Conquer',
421              text: 'Please follow this link to reset your password: ' + url
422            };
423
424            transporter.sendMail(mailOptions, function(error, info){
425              if (error) {
426                console.log(error);
427              } else {
428                console.log('Email sent: ' + info.response);
429              }
430            }); }
431          else{
432            console.log("Unknown_email")
433          }
434        }
435        catch{
436          console.log("Unknown_email")
437          res.send("Failure")
438        }
439      });
440    });
441
442    app.get('/data_noas',(req, res) =>{
443      // Query the database
444      const myVariable = req.query.variable;
445      const sql = `SELECT
446      SchoolName,
447      Division_FK,
448      SponsorName,
449      SponsorNumber,
450      SponsorEmail,
451      CASE
452        WHEN Payment = 1 THEN 'Paid'
453        ELSE 'Not Paid'
454      END,
455      MealTicket
456    FROM
457      School WHERE SchoolPK = '${myVariable}'`;
458
459      console.log(myVariable)
460
461      newconnection.query(sql, function(error, results, fields) {
462        if (error) throw error;
463
464        res.setHeader('Content-Type', 'application/json');
465        res.send(JSON.stringify(results));
466      });
467    });
468
469
470    app.get('/data',(req, res) =>{
471      // Query the database
472      const myVariable = req.query.variable;
473      const sql = `SELECT
474      SchoolName as "School_Name",
475      Division_FK as "Division",
476      SponsorName as "Sponsor_Name",
477      SponsorNumber as "Sponsor_Number",
478      SponsorEmail as "Sponsor_Email",
479      CASE
480        WHEN Payment = 1 THEN 'Paid'
481        ELSE 'Not Paid'
482      END as "Payment",
483      MealTicket as "Meal_Tickets_Requested"
484    FROM
485      School WHERE SchoolPK = '${myVariable}'`;
486
487      console.log(myVariable)
488
489      newconnection.query(sql, function(error, results, fields) {
490        if (error) throw error;
491
492        res.setHeader('Content-Type', 'application/json');
493        res.send(JSON.stringify(results));
494      });
495    });
496    app.get('/get_school',(req, res) =>{
497      // Query the database
498      const myVariable = req.query.variable;
499      console.log(myVariable)
500      const sql = `SELECT *  FROM School WHERE UserID = '${myVariable}'`;
```

```
501
502        newconnection.query(sql, function(error, results, fields) {
503          if (error) throw error;
504
505          res.setHeader('Content-Type', 'application/json');
506          res.send(JSON.stringify(results));
507        });
508      });
509
510      app.get('/team',(req, res) =>{
511        // Query the database
512        const myVariable = req.query.variable;
513        const team = req.query.team;
514        const sql = `SELECT *  FROM Student WHERE School_FK = '${myVariable}' AND Team_FK ='${team}'`;
515
516        newconnection.query(sql, function(error, results, fields) {
517          if (error) throw error;
518
519          res.setHeader('Content-Type', 'application/json');
520          res.send(JSON.stringify(results));
521        });
522      });
523
524      app.get('/team2',(req, res) =>{
525        // Query the database
526        const myVariable = req.query.variable;
527        const team = req.query.team;
528        const sql = `SELECT Team_FK as "Team_ID", StudentID as "Student_ID", StudentFName as "Student_First_Name", StudentLName as "Student_Last_Name"  FROM Student WHERE
                 School_FK = '${myVariable}' AND Team_FK ='${team}'`;
529
530        newconnection.query(sql, function(error, results, fields) {
531          if (error) throw error;
532
533          res.setHeader('Content-Type', 'application/json');
534          res.send(JSON.stringify(results));
535        });
536      });
537
538      app.get('/team_data',(req, res) =>{
539        // Query the database
540        const myVariable = req.query.variable;
541        const sql = `SELECT *  FROM Team WHERE School_FK = '${myVariable}'`;
542
543        newconnection.query(sql, function(error, results, fields) {
544          if (error) throw error;
545
546          console.log(results)
547
548          res.setHeader('Content-Type', 'application/json');
549          res.send(JSON.stringify(results));
550        });
551      });
552
553      app.get('/logindata',(req, res) =>{
554        // Query the database
555        const myVariable = req.query.variable;
556        const sql = `SELECT Password FROM UserAuth WHERE email = '${myVariable}'`;
557
558        console.log(myVariable)
559
560        connection.query(sql, function(error, results, fields) {
561          if (error) throw error;
562
563          res.setHeader('Content-Type', 'application/json');
564          res.send(JSON.stringify(results));
565        });
566      });
567
568  app.get('/data2', (req, res) => {
569    // Get a connection from the connection pool
570    pool.getConnection((err, connection) => {
571      if (err) {
572        console.error(err);
573        res.status(500).send('Server Error');
574        return;
575      }
576
577      // Run the SQL query
578      const sql = 'SELECT * FROM School';
579      connection.query(sql, (err, results, fields) => {
580        // Release the connection back to the pool
581        connection.release();
582
583        if (err) {
584          console.error(err);
585          res.status(500).send('Server Error');
586          return;
587        }
588
589        // Convert the result to a string and return it
590        const resultString = JSON.stringify(results);
591        res.send(resultString);
592      });
593    });
594  });
595
596  function MFAVerify(token, mfa){
597    return SpeakEasy.totp.verify({
598      secret: '${mfa}',
599      encoding: 'ascii',
600      token: '${token}'
601    })
602  }
603
604  app.get('/', (req, res) => {
605    res.sendFile(path.join(__dirname, '../user_home.html'));
606  });
607
608  app.get('/datas', (req, res) => {
609    const data = { foo: 'bar2' };
```

```
610      res.json(data);
611    });
612
613    app.listen(port, () => {
614      console.log(`Divide-Conquer is open on port ${port}`)
615    })
```

File 2. custom.css

```
1    .gsw-primary{
2        background-color: #00205b;
3    }
4
5    .gsw-secondary{
6        background-color: #C69214;
7    }
8
9    .gsw-text-primary{
10       color: #00205b;
11   }
12
13   .gsw-text-secondary{
14       color: #C69214;
15   }
16
17   .flexContainer {
18              display: flex;
19                                 justify-content: center;
20   }
21
22   .g-recaptcha div {
23       margin-left: auto; margin-right: auto;
24   }
```

File 3. about.html

```
1    <!DOCTYPE html>
2    <html lang="en">
3
4    <head>
5        <meta charset="utf-8">
6        <title>GSW Math Tournament</title>
7        <meta content="width=device-width, initial-scale=1.0" name="viewport">
8        <meta content="" name="keywords">
9        <meta content="" name="description">
10
11       <!-- Favicon -->
12       <!--- <link href="/css/Templates/solartec-1.0.0/img/favicon.ico" rel="icon"> --->
13
14       <!-- Google Web Fonts -->
15       <link rel="preconnect" href="https://fonts.googleapis.com">
16       <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
17       <link
18           href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;500&family=Roboto:wght@500;700;900&display=swap"
19           rel="stylesheet">
20
21       <!-- Icon Font Stylesheet -->
22       <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
23       <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
24
25       <!-- Libraries Stylesheet -->
26       <link rel="stylesheet"
27           href="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/css/bootstrap-select.min.css">
28
29       <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"
30           integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
31       <link href="CSS/custom.css" rel="stylesheet">
32   </head>
33
34   <body>
35       <!-- Topbar Start -->
36       <div class="container-fluid gsw-primary p-0" style="z-index: 500;">
37           <div class="row gx-0 d-none d-lg-flex">
38               <div class="col-lg-7 px-5 text-start">
39                   <div class="h-100 d-inline-flex align-items-center me-4">
40                       <small class="fa fa-map-marker-alt gsw-text-secondary me-2"></small>
41                       <small class="text-white">800 Georgia Southwestern State University Dr, Americus, GA 31709</small>
42                   </div>
43                   <div class="h-100 d-inline-flex align-items-center">
44                       <small class="far fa-clock gsw-text-secondary me-2"></small>
45                       <small class="text-white">Mon - Fri : 08:00 AM - 05:00 PM</small>
46                   </div>
47               </div>
48               <div class="col-lg-5 px-5 text-end">
49                   <div class="h-100 d-inline-flex align-items-center me-4">
50                       <small class="fa fa-phone-alt gsw-text-secondary me-2"></small>
51                       <small class="text-white">877-871-4594</small>
52                   </div>
53                   <div class="h-100 d-inline-flex align-items-center mx-n2">
54                       <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary"
55                           href="https://www.facebook.com/GeorgiaSouthwestern/"><i class="fab fa-facebook-f"></i></a>
56                       <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary"
57                           href="https://twitter.com/GaSouthwestern"><i class="fab fa-twitter"></i></a>
58                       <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary"
59                           href="https://www.linkedin.com/school/georgia-southwestern-state-university/"><i
60                               class="fab fa-linkedin-in"></i></a>
61                       <a class="btn btn-square btn-link rounded-0 gsw-text-secondary"
62                           href="http://www.instagram.com/georgiasouthwestern"><i class="fab fa-instagram"></i></a>
63                   </div>
64               </div>
65           </div>
66       </div>
67       <!-- Topbar End -->
68
69       <!-- Navbar Start -->
70       <nav class="container-fluid navbar navbar-expand-lg navbar-light sticky-top p-0"
71           style="background-color: #e3e3e3; z-index: 500;">
```

```
72              <a href="index.html" class="navbar-brand_mr-auto_d-flex_align-items-center_border-end_px-4_px-lg-5">
73                  <h2 class="m-0_gsw-text-primary">Divide-Conquer</h2>
74              </a>
75              <button type="button" class="navbar-toggler_me-2" data-bs-toggle="collapse" data-bs-target="#navbarCollapse">
76                  <span class="navbar-toggler-icon"></span>
77              </button>
78              <div class="collapse_navbar-collapse" id="navbarCollapse">
79                  <div class="navbar-nav_ms-auto_p-2_p-lg-0">
80                      <!-- <a href="Home.cfm" class="nav-item_nav-link">Home</a> -->
81                      <div class="nav-item_dropdown">
82                          <a href="" class="nav-link_dropdown-toggle" style="padding-right:_40px;"
83                              data-bs-toggle="dropdown">Info</a>
84                          <div class="dropdown-menu_bg-light_m-0">
85                              <a href="about.html" class="dropdown-item">About</a>
86                              <a href="past.html" class="dropdown-item">Past Tounrnaents</a>
87                              <a href="other.html" class="dropdown-item">Other</a>
88                          </div>
89                      </div>
90                  </div>
91                  <a href="login.html"
92                      class="btn_btn-primary_btn-outline-light_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5_d-lg-block">Login<i
93                          class="fa_fa-arrow-right_ms-3"></i></a>
94              </div>
95          </nav>
96          <!-- Navbar End -->
97          <div class="container">
98              <h1 class="gsw-text-primary" style="text-align:_center;_padding:_20px;">
99                  About
100             </h1>
101             <p>
102                 Every year since 1974, the Department of Mathematics at Georgia Southwestern has hosted a tournament for
103                 high school students from throughout the state. This tournament has brought hundreds of students to the
104                 campus in the early spring each year to compete with one another. The longest running math tournament in
105                 Georgia, the annual GSW competition has served as a model for a host of imitators. Teachers from across the
106                 state would select a minimum of four and a maximum of eight outstanding mathematics students from each
107                 school to participate. (Extra students are welcome to participate and enjoy the tournament, but only the
108                 team-of-eight will contribute to the official score for the school's team.)
109                 Individuals who are home schooled are also welcome to compete in the individual part of the tournament.
110                 Parents of interested home schooled students may contact <a href="mailto:kailash.ghimire@gsw.edu">kailash.ghimire@gsw.edu</a> to register for the
111                 tournament.
112             </p>
113         </div>
114
115         <!-- JavaScript Libraries -->
116         <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
117         <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
118             integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
119             crossorigin="anonymous"></script>
120         <script src="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/js/bootstrap-select.min.js"></script>
121     </body>
122
123 </html>
```

File 4. admin.html

```
1   <!DOCTYPE html>
2   <html lang="en">
3
4       <head>
5           <meta charset="utf-8">
6           <title>GSW Math Tournament</title>
7           <meta content="width=device-width,_initial-scale=1.0" name="viewport">
8           <meta content="" name="keywords">
9           <meta content="" name="description">
10
11          <!-- Favicon -->
12          <!-- <link href="/css/Templates/solartec-1.0.0/img/favicon.ico" rel="icon"> -->
13
14          <!-- Google Web Fonts -->
15          <link rel="preconnect" href="https://fonts.googleapis.com">
16          <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
17          <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;500&family=Roboto:wght@500;700;900&display=swap" rel="stylesheet">
18
19          <!-- Icon Font Stylesheet -->
20          <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
21          <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
22
23          <!-- Libraries Stylesheet -->
24          <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/css/bootstrap-select.min.css">
25
26          <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/
                azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
27          <link href="CSS/custom.css" rel="stylesheet">
28      </head>
29
30  <body>
31      <!-- Topbar Start -->
32      <div class="container-fluid_gsw-primary_p-0" style="z-index:_500;">
33          <div class="row_gx-0_d-none_d-lg-flex">
34              <div class="col-lg-7_px-5_text-start">
35                  <div class="h-100_d-inline-flex_align-items-center_me-4">
36                      <small class="fa_fa-map-marker-alt_gsw-text-secondary_me-2"></small>
37                      <small class="text-white">800 Georgia Southwestern State University Dr, Americus, GA 31709</small>
38                  </div>
39                  <div class="h-100_d-inline-flex_align-items-center">
40                      <small class="far_fa-clock_gsw-text-secondary_me-2"></small>
41                      <small class="text-white">Mon - Fri : 08:00 AM - 05:00 PM</small>
42                  </div>
43              </div>
44              <div class="col-lg-5_px-5_text-end">
45                  <div class="h-100_d-inline-flex_align-items-center_me-4">
46                      <small class="fa_fa-phone-alt_gsw-text-secondary_me-2"></small>
47                      <small class="text-white">877-871-4594</small>
48                  </div>
49                  <div class="h-100_d-inline-flex_align-items-center_mx-n2">
50                      <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://www.facebook.com/GeorgiaSouthwestern/">
                            <i class="fab_fa-facebook-f"></i></a>
51                      <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://twitter.com/GaSouthwestern"><i class="
                            fab_fa-twitter"></i></a>
```

```
52                          <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://www.linkedin.com/school/georgia-
                                southwestern-state-university/"><i class="fab_fa-linkedin-in"></i></a>
53                          <a class="btn_btn-square_btn-link_rounded-0_gsw-text-secondary" href="http://www.instagram.com/georgiasouthwestern"><i class="fab_fa-instagram"></i></a>
54                      </div>
55                  </div>
56              </div>
57          </div>
58      <!-- Topbar End -->
59
60      <!-- Navbar Start -->
61      <nav class="container-fluid_navbar_navbar-expand-lg_navbar-light_sticky-top_p-0" style="background-color:_#e3e3e3;_z-index:_500;">
62          <a href="index.html" class="navbar-brand_mr-auto_d-flex_align-items-center_border-end_px-4_px-lg-5">
63              <h2 class="m-0_gsw-text-primary">Divide-Conquer</h2>
64          </a>
65          <button type="button" class="navbar-toggler_me-2" data-bs-toggle="collapse" data-bs-target="#navbarCollapse">
66              <span class="navbar-toggler-icon"></span>
67          </button>
68          <div class="collapse_navbar-collapse" id="navbarCollapse">
69              <div class="navbar-nav_ms-auto_p-2_p-lg-0">
70                  <div class="nav-item_dropdown">
71                      <a href="" class="nav-link_dropdown-toggle" style="padding-right:_40px;" data-bs-toggle="dropdown">Info</a>
72                      <div class="dropdown-menu_bg-light_m-0">
73                          <a href="about.html" class="dropdown-item">About</a>
74                          <a href="" class="dropdown-item">Past Tounrnaments</a>
75                          <a href="" class="dropdown-item">Other</a>
76                      </div>
77                  </div>
78              </div>
79              <a href="login.html" class="btn_btn-primary_btn-outline-light_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5_d-lg-block">Login<i class="fa_fa-arrow-right_
                    ms-3"></i></a>
80          </div>
81      </nav>
82      <!-- Navbar End -->
83
84
85
86      <div class="container">
87          <a id="Top-Scores" class="btn_btn-primary_btn-outline-light_mx-auto_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5_d-lg-block" style="padding:_20px;_width:_300
                    px;">TopScoresDocument</a>
88          <a id="Reset-Database" class="btn_btn-primary_btn-outline-light_mx-auto_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5_d-lg-block" style="padding:_20px;_width:
                    _300px;">Reset Database</a>
89      </div>
90
91
92
93
94      <!-- JavaScript Libraries -->
95      <!-- <script src="/JS/login.js" -->
96      <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
97      <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/
                    tWtIaxVXM" crossorigin="anonymous"></script>
98      <script src="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/js/bootstrap-select.min.js"></script>
99      <script>
100         document.getElementById("Top-Scores").addEventListener("click", (event) => {
101
102             const queryString = window.location.search;
103             const urlParams = new URLSearchParams(queryString);
104             const ID = urlParams.get('ID')
105
106         const data = {
107             ID: ID,
108         };
109         fetch('https://math.gswcm.net:443/JS/top-scores', {
110         method: 'POST',
111         headers: {
112         'Content-Type': 'application/json'
113         },
114             body: JSON.stringify(data)
115         })
116         .then(response => response.text())
117         .then(data => {
118         if(data == 'Success'){
119             const url = 'https://math.gswcm.net/filesSql/TopTotalScore.txt'
120         window.location.replace(url);
121         }
122         else{
123             alert("There_was_an_issue._Please_try_again.")
124         }
125         })
126         .catch(error => {
127         console.error(error);
128         });
129     })
130     </script>
131     <script>
132         document.getElementById("Reset-Database").addEventListener("click", (event) => {
133
134             const queryString = window.location.search;
135             const urlParams = new URLSearchParams(queryString);
136             const ID = urlParams.get('ID')
137
138         const data = {
139             ID: ID,
140         };
141         if(window.confirm("Are_you_sure?_This_will_delete_all_data_in_the_database.") == false){}
142         else{
143         fetch('https://math.gswcm.net:443/JS/reset-database', {
144         method: 'POST',
145         headers: {
146         'Content-Type': 'application/json'
147         },
148             body: JSON.stringify(data)
149         })
150         .then(response => response.text())
151         .then(data => {
152         if(data == 'Success'){
153             alert("Your_request_was_successful.")
154         }
155         else{
156             alert("There_was_an_issue._Please_try_again.")
```

```
157            }
158          })
159          .catch(error => {
160            console.error(error);
161          });
162      }
163    })
164  </script>
165  </body>
166
167  </html>
```

File 5. createuser.html

```
1   <!DOCTYPE html>
2   <html lang="en">
3
4       <head>
5           <meta charset="utf-8">
6           <title>GSW Math Tournament</title>
7           <meta content="width=device-width, initial-scale=1.0" name="viewport">
8           <meta content="" name="keywords">
9           <meta content="" name="description">
10
11          <!-- Favicon -->
12          <!--- <link href="/css/Templates/solartec-1.0.0/img/favicon.ico" rel="icon"> -->
13
14          <!-- Google Web Fonts -->
15          <link rel="preconnect" href="https://fonts.googleapis.com">
16          <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
17          <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;500&family=Roboto:wght@500;700;900&display=swap" rel="stylesheet">
18
19          <!-- Icon Font Stylesheet -->
20          <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
21          <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
22
23          <!-- Libraries Stylesheet -->
24          <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/css/bootstrap-select.min.css">
25
26          <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/
                    azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
27          <link href="CSS/custom.css" rel="stylesheet">
28      </head>
29
30  <body>
31      <!-- Topbar Start -->
32      <div class="container-fluid gsw-primary p-0" style="z-index: 500;">
33          <div class="row gx-0 d-none d-lg-flex">
34              <div class="col-lg-7 px-5 text-start">
35                  <div class="h-100 d-inline-flex align-items-center me-4">
36                      <small class="fa fa-map-marker-alt gsw-text-secondary me-2"></small>
37                      <small class="text-white">800 Georgia Southwestern State University Dr, Americus, GA 31709</small>
38                  </div>
39                  <div class="h-100 d-inline-flex align-items-center">
40                      <small class="far fa-clock gsw-text-secondary me-2"></small>
41                      <small class="text-white">Mon - Fri : 08:00 AM - 05:00 PM</small>
42                  </div>
43              </div>
44              <div class="col-lg-5 px-5 text-end">
45                  <div class="h-100 d-inline-flex align-items-center me-4">
46                      <small class="fa fa-phone-alt gsw-text-secondary me-2"></small>
47                      <small class="text-white">877-871-4594</small>
48                  </div>
49                  <div class="h-100 d-inline-flex align-items-center mx-n2">
50                      <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.facebook.com/GeorgiaSouthwestern/">
                              <i class="fab fa-facebook-f"></i></a>
51                      <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://twitter.com/GaSouthwestern"><i class="
                              fab fa-twitter"></i></a>
52                      <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.linkedin.com/school/georgia-
                              southwestern-state-university/"><i class="fab fa-linkedin-in"></i></a>
53                      <a class="btn btn-square btn-link rounded-0 gsw-text-secondary" href="http://www.instagram.com/georgiasouthwestern"><i class="fab fa-instagram"></i></a>
54                  </div>
55              </div>
56          </div>
57      </div>
58      <!-- Topbar End -->
59
60      <!-- Navbar Start -->
61      <nav class="container-fluid navbar navbar-expand-lg navbar-light sticky-top p-0" style="background-color: #e3e3e3; z-index: 500;">
62          <a href="index.html" class="navbar-brand mr-auto d-flex align-items-center border-end px-4 px-lg-5">
63              <h2 class="m-0 gsw-text-primary">Divide-Conquer</h2>
64          </a>
65          <button type="button" class="navbar-toggler me-2" data-bs-toggle="collapse" data-bs-target="#navbarCollapse">
66              <span class="navbar-toggler-icon"></span>
67          </button>
68          <div class="collapse navbar-collapse" id="navbarCollapse">
69              <div class="navbar-nav ms-auto p-2 p-lg-0">
70                  <div class="nav-item dropdown">
71                      <a href="" class="nav-link dropdown-toggle" style="padding-right: 40px;" data-bs-toggle="dropdown">Info</a>
72                      <div class="dropdown-menu bg-light m-0">
73                          <a href="about.html" class="dropdown-item">About</a>
74                          <a href="" class="dropdown-item">Past Tournraents</a>
75                          <a href="" class="dropdown-item">Other</a>
76                      </div>
77                  </div>
78              </div>
79              <a href="login.html" class="btn btn-primary btn-outline-light gsw-secondary gsw-text-primary rounded-0 py-4 px-lg-5 d-lg-block">Login<i class="fa fa-arrow-right
                      ms-3"></i></a>
80          </div>
81      </nav>
82      <!-- Navbar End -->
83
84
85
86      <div class="container" id="createUser">
87          <h1 class="gsw-text-primary" style="text-align: center; padding: 20px;">
88              Create New Account
89          </h1>
90          <form style="text-align: center;" class="login" action="testinglogin.html" method="POST" id="create-user">
```

```
 91                             <input style="text-align:_center;_padding:_20px;" type="text" name="" placeholder="Enter_your_email." id="email">
 92                             <input style="text-align:_center;_padding:_20px;" type="password" name="" placeholder="Enter_your_password." id="password">
 93                             <input style="text-align:_center;_padding:_20px;" type="password" name="" placeholder="Reenter_your_password." id="password2">
 94                             <br>
 95                             <div style="display:_inline-block;__padding-top:_10px;" id="html_element"></div>
 96                             <p></p>
 97                             <input class="btn_btn-primary_btn-outline-light_mx-auto_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5_d-lg-block" style="padding:_20px;_width:_300px;"
                                      type="submit" name="" value="Create_Account">
 98                     </form>
 99                     <a href="https://math.gswcm.net/login.html" class="btn_btn-primary_btn-outline-light_mx-auto_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5_d-lg-block" style="
                             padding:_20px;_width:_300px;">Already_have_an_account?</a>
100                     <!-- <a href="newuser.html" class="btn_btn-primary_btn-outline-light_mx-auto_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5_d-lg-block" style="padding:_20px;_
                             width:_300px;">New_Account<i class="fa_fa-arrow-right_ms-3"></i></a>  -->
101                     <!-- <a href="newuser.html" class="btn_btn-primary_btn-outline-light_mx-auto_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5_d-lg-block" style="padding:_20px;_
                             width:_300px;">Forgot_Password<i class="fa_fa-arrow-right_ms-3"></i></a> -->
102             </div>
103
104             <div id="QRCode" style="text-align:_center;_visibility:_hidden;">
105                     <h1 class="gsw-text-primary" style="text-align:_center;_padding:_20px;">
106                             Please_scan_QRCode_in_Google_Authenticator
107                     </h1>
108                     <a class="btn_btn-primary_btn-outline-light_mx-auto_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5_d-lg-block" style="padding:_20px;_width:_300px;" id="
                             QRSubmit">Click_when_done</a>
109             </div>
110
111
112
113
114             <!-- JavaScript Libraries -->
115             <!-- <script src="/JS/login.js" -->
116             <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
117             <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/
                     tWtIaxVXM" crossorigin="anonymous"></script>
118             <script src="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/js/bootstrap-select.min.js"></script>
119             <script src="https://www.google.com/recaptcha/api.js?onload=onloadCallback&render=explicit" async defer></script>
120             <script type="text/javascript">
121                     var onloadCallback = function() {
122                       grecaptcha.render('html_element', {
123                         'sitekey' : '6Lcj9IIlAAAAALQVutpKbz6MhbUtkwp5YXvVt_jN'
124                       });
125                     };
126             </script>
127             <script>
128                     const form1 = document.getElementById('create-user');
129
130                     form1.addEventListener('submit', (event) => {
131                             event.preventDefault();
132
133
134                     var email = document.getElementById("email").value;
135                     var savedPass = document.getElementById("password").value;
136                     var password2 = document.getElementById("password2").value;
137                     var captcha = grecaptcha.getResponse();
138
139                     if(captcha.length == 0){
140                             alert("You_must_complete_the_captcha.");
141                     }
142                     else{
143                     const data = {
144                             Email: email,
145                             Password: savedPass,
146                             Password2: password2,
147                     };
148                     // console.log(data)
149                     fetch('https://math.gswcm.net:443/JS/update_user', {
150                     method: 'POST',
151                     headers: {
152                     'Content-Type': 'application/json'
153                     },
154                             body: JSON.stringify(data)
155                     })
156                     .then(response => response.text())
157                     .then(data => {
158                     //console.log(data); // outputs "User_updated"
159                             if(data == "password-match-error"){
160                                     alert("The_password_that_you_entered_did_not_match.")
161                             }
162                             else if (data == "same-email-error"){
163                                     alert("The_email_that_you_entered_already_exists.")
164                             }
165                             else if (data == "password-less-than-min"){
166                                     alert("The_password_that_you_entered_did_not_meet_or_exceed_8_characters.")
167                             }
168                             else if (data.includes("base64")){
169                                     console.log(data)
170                                     const division = document.getElementById('QRCode')
171                                     const image = document.createElement('img')
172                                     image.src = data;
173                                     division.appendChild(image)
174                                     const createdivision = document.getElementById('createUser')
175                                     createdivision.style.display = 'none';
176                                     division.style.visibility = 'visible';
177                             }
178                             else{
179                                     alert("There_was_an_error._Please_try_again_later.")
180                             }
181                     })
182                     .catch(error => {
183                     console.error(error);
184                     });
185             }
186             })
187
188
189             </script>
190             <script>
191                     const QRButton = document.querySelector('#QRSubmit');
192                     QRButton.addEventListener('click', continuetonextpage);
193
194                     function continuetonextpage() {
```

```
195                 alert("Please_check_your_email_for_your_confirmation.")
196                 const url = 'https://math.gswcm.net/login.html'
197                 window.location.replace(url);
198             }
199         </script>
200     </body>
201
202 </html>
```

File 6. edit-school.html

```
1   <!DOCTYPE html>
2   <html lang="en">
3
4       <head>
5           <meta charset="utf-8">
6           <title>GSW Math Tournament</title>
7           <meta content="width=device-width,_initial-scale=1.0" name="viewport">
8           <meta content="" name="keywords">
9           <meta content="" name="description">
10
11          <!-- Favicon -->
12          <!--- <link href="/css/Templates/solartec-1.0.0/img/favicon.ico" rel="icon"> -->
13
14          <!-- Google Web Fonts -->
15          <link rel="preconnect" href="https://fonts.googleapis.com">
16          <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
17          <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;500&family=Roboto:wght@500;700;900&display=swap" rel="stylesheet">
18
19          <!-- Icon Font Stylesheet -->
20          <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
21          <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
22
23          <!-- Libraries Stylesheet -->
24          <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/css/bootstrap-select.min.css">
25
26          <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/
                azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
27          <link href="CSS/custom.css" rel="stylesheet">
28      </head>
29
30  <body>
31      <!-- Topbar Start -->
32      <div class="container-fluid_gsw-primary_p-0" style="z-index:_500;">
33          <div class="row_gx-0_d-none_d-lg-flex">
34              <div class="col-lg-7_px-5_text-start">
35                  <div class="h-100_d-inline-flex_align-items-center_me-4">
36                      <small class="fa_fa-map-marker-alt_gsw-text-secondary_me-2"></small>
37                      <small class="text-white">800 Georgia Southwestern State University Dr, Americus, GA 31709</small>
38                  </div>
39                  <div class="h-100_d-inline-flex_align-items-center">
40                      <small class="far_fa-clock_gsw-text-secondary_me-2"></small>
41                      <small class="text-white">Mon - Fri : 08:00 AM - 05:00 PM</small>
42                  </div>
43              </div>
44              <div class="col-lg-5_px-5_text-end">
45                  <div class="h-100_d-inline-flex_align-items-center_me-4">
46                      <small class="fa_fa-phone-alt_gsw-text-secondary_me-2"></small>
47                      <small class="text-white">877-871-4594</small>
48                  </div>
49                  <div class="h-100_d-inline-flex_align-items-center_mx-n2">
50                      <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://www.facebook.com/GeorgiaSouthwestern/">
                            <i class="fab_fa-facebook-f"></i></a>
51                      <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://twitter.com/GaSouthwestern"><i class="
                            fab_fa-twitter"></i></a>
52                      <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://www.linkedin.com/school/georgia-
                            southwestern-state-university/"><i class="fab_fa-linkedin-in"></i></a>
53                      <a class="btn_btn-square_btn-link_rounded-0_gsw-text-secondary" href="http://www.instagram.com/georgiasouthwestern"><i class="fab_fa-instagram"></i></a>
54                  </div>
55              </div>
56          </div>
57      </div>
58      <!-- Topbar End -->
59
60      <!-- Navbar Start -->
61      <nav class="container-fluid_navbar_navbar-expand-lg_navbar-light_sticky-top_p-0" style="background-color:_#e3e3e3;_z-index:_500;">
62          <a href="index.html" class="navbar-brand_mr-auto_d-flex_align-items-center_border-end_px-4_px-lg-5">
63              <h2 class="m-0_gsw-text-primary">Divide-Conquer</h2>
64          </a>
65          <button type="button" class="navbar-toggler_me-2" data-bs-toggle="collapse" data-bs-target="#navbarCollapse">
66              <span class="navbar-toggler-icon"></span>
67          </button>
68          <div class="collapse_navbar-collapse" id="navbarCollapse">
69              <div class="navbar-nav_ms-auto_p-2_p-lg-0">
70                  <div class="nav-item_dropdown">
71                      <a href="" class="nav-link_dropdown-toggle" style="padding-right:_150px;" data-bs-toggle="dropdown">Manage</a>
72                      <div class="dropdown-menu_bg-light_m-0">
73                          <button href="" id="myButton2" class="dropdown-item">Teams</button>
74                          <button href="" id="myButton1" class="dropdown-item" style="padding-right:_150px;">School</button>
75                  </div>
76      </nav>
77      <!-- Navbar End -->
78      <div class="container">
79          <h1 class="gsw-text-primary" style="text-align:_center;_padding:_20px;">
80              Edit School Information
81          </h1>
82      </div>
83      <div class="text-center">
84      <form id="update-record-form">
85          <div class="text-center">
86          </div>
87          <br>
88          <br>
89      </div>
90      <div class="text-center" style="margin-top:_20px;">
91      <button class="btn_btn-primary_btn-outline-light_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5" type="submit">
92          Submit
93      </button>
94  </div>
```

```
95          </form>

96
97      <!-- JavaScript code -->
98      <script>
99          var queryString = window.location.search;
100             var urlParams = new URLSearchParams(queryString);
101             var id = urlParams.get('ID');

102
103             const myButton2 = document.getElementById('myButton2');
104     const myButton1 = document.getElementById('myButton1');

105
106     myButton2.onclick = function() {
107        window.location.href = '/view_teams.html?ID=${id}';
108     };

109
110     myButton1.onclick = function() {
111        window.location.href = '/school.html?ID=${id}';
112     };

113
114     const url2 = 'https://math.gswcm.net:443/JS/get_school?variable=${id}';
115             fetch(url2)
116             .then(response => response.json())
117             .then(data => {
118                const url = 'https://math.gswcm.net:443/JS/data_noas?variable=${data[0].SchoolPK}';

119
120                const myVariable = data[0].SchoolPK;

121
122                console.log(myVariable)

123
124          fetch(url)
125        .then(response => response.json())
126        .then(data => {
127          // 5. Parse the JSON response and use the data to generate the form dynamically
128          const form = document.getElementById('update-record-form');
129          console.log(data)
130          data.forEach(item => {

131
132             const label2 = document.createElement('label')
133             label2.textContent = 'Division'
134             form.appendChild(label2)

135
136             const br9 = document.createElement('br');
137             form.appendChild(br9)

138
139             const select = document.createElement('select')
140             const option1 = document.createElement('option')
141             option1.value = '1'
142             option1.textContent = 'A'
143             select.appendChild(option1)
144             const option2 = document.createElement('option')
145             option2.value = '2'
146             option2.textContent = 'AA'
147             select.appendChild(option2)
148             const option3 = document.createElement('option')
149             option3.value = '3'
150             option3.textContent = 'AAA'
151             select.appendChild(option3)
152             const option4 = document.createElement('option')
153             option4.value = '4'
154             option4.textContent = 'AAAA'
155             select.appendChild(option4)
156             const option5 = document.createElement('option')
157             option5.value = '5'
158             option5.textContent = 'AAAAA'
159             select.appendChild(option5)
160             const option6 = document.createElement('option')
161             option6.value = '6'
162             option6.textContent = 'AAAAAA'
163             select.appendChild(option6)
164             const option7 = document.createElement('option')
165             option7.value = '7'
166             option7.textContent = 'AAAAAAA'
167             select.appendChild(option7)
168             const option8 = document.createElement('option')
169             option8.value = '8'
170             option8.textContent = 'AAAAAAAA'
171             select.appendChild(option8)
172             const option9 = document.createElement('option')
173             option9.value = '9'
174             option9.textContent = 'Other'
175             select.appendChild(option9)

176
177             select.value = item.Division_FK
178             select.name = 'field2'
179             form.appendChild(select)

180
181             const br1 = document.createElement('br');
182             form.appendChild(br1)

183
184             const label3 = document.createElement('label')
185             label3.textContent = 'Meal Tickets'
186             form.appendChild(label3)

187
188             const br10 = document.createElement('br');
189             form.appendChild(br10)

190
191             const field3 = document.createElement('input');
192             field3.type = 'text';
193             field3.name = 'field3';
194             field3.value = item.MealTicket;
195             form.appendChild(field3);

196
197             const br2 = document.createElement('br');
198             form.appendChild(br2)

199
200             const label4 = document.createElement('label')
201             label4.textContent = 'Sponsor Name'
202             form.appendChild(label4)

203
204             const br11 = document.createElement('br');
```

```
205          form.appendChild(br11)

207          const field4 = document.createElement('input');
208          field4.type = 'text';
209          field4.name = 'field4';
210          field4.value = item.SponsorName;
211          form.appendChild(field4);

213          const br3 = document.createElement('br');
214          form.appendChild(br3)

216          const label5 = document.createElement('label')
217          label5.textContent = 'Sponsor Email'
218          form.appendChild(label5)

220          const br12 = document.createElement('br');
221          form.appendChild(br12)

223          const field5 = document.createElement('input');
224          field5.type = 'text';
225          field5.name = 'field5';
226          field5.value = item.SponsorEmail;
227          form.appendChild(field5);

229          const br4 = document.createElement('br');
230          form.appendChild(br4)

232          const label6 = document.createElement('label')
233          label6.textContent = 'Sponsor Number'
234          form.appendChild(label6)

236          const br13 = document.createElement('br');
237          form.appendChild(br13)

239          const field6 = document.createElement('input');
240          field6.type = 'text';
241          field6.name = 'field6';
242          field6.value = item.SponsorNumber;
243          form.appendChild(field6);

245          const br5 = document.createElement('br');
246          form.appendChild(br5)

248          const label7 = document.createElement('label')
249          label7.textContent = 'School Name'
250          form.appendChild(label7)

252          const br14 = document.createElement('br');
253          form.appendChild(br14)

255          const field7 = document.createElement('input');
256          field7.type = 'text';
257          field7.name = 'field7';
258          field7.id = 'field7'
259          field7.value = item.SchoolName;
260          form.appendChild(field7);
261        });
262      })
263      .catch(error => console.error(error));

265      const form1 = document.getElementById('update-record-form');

267  form1.addEventListener('submit', (event) => {
268      event.preventDefault(); // prevent the default form submission behavior

270      const data = {
271      DivisionID: form1.field2.value,
272      MealTicket: form1.field3.value,
273      SponsorName: form1.field4.value,
274      SponsorEmail: form1.field5.value,
275      SponsorPhone: form1.field6.value,
276      name: form1.field7.value,

278  };


282      const schoolid = myVariable; // replace with the actual ID of the user to update
283      const foward = `https://math.gswcm.net/school.html?ID=${id}`
284      const name = form1.field7.value;

286      console.log(data)

288  fetch(`https://math.gswcm.net:443/JS/update_school/${schoolid}`, {
289        method: 'POST',
290        headers: {
291          'Content-Type': 'application/json'
292        },
293        body: JSON.stringify(data)
294      })
295      .then(response => response.text())
296      .then(data => {
297        console.log(data); // outputs "User_updated"
298      })
299      .catch(error => {
300        console.error(error);
301      });
302      //location.reload(true);
303      alert('Updated')
304      window.location.replace(foward)
305  });


307  })


310    </script>


313      <!-- JavaScript Libraries -->
314      <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
```

```
315    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/
           tWtIaxVXM" crossorigin="anonymous"></script>
316    <script src="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/js/bootstrap-select.min.js"></script>
317  </body>
318
319  </html>
```

File 7. edit-team.html

```
1    <!DOCTYPE html>
2    <html lang="en">
3
4        <head>
5            <meta charset="utf-8">
6            <title>GSW Math Tournament</title>
7            <meta content="width=device-width, initial-scale=1.0" name="viewport">
8            <meta content="" name="keywords">
9            <meta content="" name="description">
10
11           <!-- Favicon -->
12           <!--- <link href="/css/Templates/solartec-1.0.0/img/favicon.ico" rel="icon"> --->
13
14           <!-- Google Web Fonts -->
15           <link rel="preconnect" href="https://fonts.googleapis.com">
16           <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
17           <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;500&family=Roboto:wght@500;700;900&display=swap" rel="stylesheet">
18
19           <!-- Icon Font Stylesheet -->
20           <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
21           <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
22
23           <!-- Libraries Stylesheet -->
24           <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/css/bootstrap-select.min.css">
25
26           <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/
                   azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
27           <link href="CSS/custom.css" rel="stylesheet">
28       </head>
29
30   <body>
31       <!-- Topbar Start -->
32       <div class="container-fluid gsw-primary p-0" style="z-index: 500;">
33           <div class="row gx-0 d-none d-lg-flex">
34               <div class="col-lg-7 px-5 text-start">
35                   <div class="h-100 d-inline-flex align-items-center me-4">
36                       <small class="fa fa-map-marker-alt gsw-text-secondary me-2"></small>
37                       <small class="text-white">800 Georgia Southwestern State University Dr, Americus, GA 31709</small>
38                   </div>
39                   <div class="h-100 d-inline-flex align-items-center">
40                       <small class="far fa-clock gsw-text-secondary me-2"></small>
41                       <small class="text-white">Mon - Fri : 08:00 AM - 05:00 PM</small>
42                   </div>
43               </div>
44               <div class="col-lg-5 px-5 text-end">
45                   <div class="h-100 d-inline-flex align-items-center me-4">
46                       <small class="fa fa-phone-alt gsw-text-secondary me-2"></small>
47                       <small class="text-white">877-871-4594</small>
48                   </div>
49                   <div class="h-100 d-inline-flex align-items-center mx-n2">
50                       <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.facebook.com/GeorgiaSouthwestern/">
                               <i class="fab fa-facebook-f"></i></a>
51                       <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://twitter.com/GaSouthwestern"><i class="
                               fab fa-twitter"></i></a>
52                       <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.linkedin.com/school/georgia-
                               southwestern-state-university/"><i class="fab fa-linkedin-in"></i></a>
53                       <a class="btn btn-square btn-link rounded-0 gsw-text-secondary" href="http://www.instagram.com/georgiasouthwestern"><i class="fab fa-instagram"></i></a>
54                   </div>
55               </div>
56           </div>
57       </div>
58       <!-- Topbar End -->
59
60       <!-- Navbar Start -->
61       <nav class="container-fluid navbar navbar-expand-lg navbar-light sticky-top p-0" style="background-color: #e3e3e3; z-index: 500;">
62           <a href="index.html" class="navbar-brand mr-auto d-flex align-items-center border-end px-4 px-lg-5">
63               <h2 class="m-0 gsw-text-primary">Divide-Conquer</h2>
64           </a>
65           <button type="button" class="navbar-toggler me-2" data-bs-toggle="collapse" data-bs-target="#navbarCollapse">
66               <span class="navbar-toggler-icon"></span>
67           </button>
68           <div class="collapse navbar-collapse" id="navbarCollapse">
69               <div class="navbar-nav ms-auto p-2 p-lg-0">
70                   <div class="nav-item dropdown">
71                       <a href="" class="nav-link dropdown-toggle" style="padding-right: 150px;" data-bs-toggle="dropdown">Manage</a>
72                       <div class="dropdown-menu bg-light m-0">
73                           <button href="" id="myButton2" class="dropdown-item">Teams</button>
74                           <button href="" id="myButton1" class="dropdown-item" style="padding-right: 150px;">School</button>
75                       </div>
76           </nav>
77       <!-- Navbar End -->
78       <div class="container">
79           <h1 class="gsw-text-primary" style="text-align: center; padding: 20px;">
80               Edit Team Information
81           </h1>
82       </div>
83       <div class="container text-center">
84       <form id="update-record-form">
85
86           <button type="submit" class="btn btn-primary btn-outline-light gsw-secondary gsw-text-primary rounded-0 py-4 px-lg-5" style="margin-bottom: 20px;">
87               Submit
88           </button>
89           <br>
90           <label style="margin-right: 100px;">
91               Student ID
92           </label>
93           <label style="margin-right: 100px;">
94               Last Name
95           </label>
96           <label>
```

```
97                    First Name
98                </label>
99                <br>
100
101        </form>
102
103        <button id="fetch-button" class="btn_btn-primary_btn-outline-light_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5" style="margin-top:_20px;">Add Student<i class="
              fa_fa-arrow-right_ms-3"></i></button>
104
105        <button id="delete-button" class="btn_btn-primary_btn-outline-light_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5" style="margin-top:_20px;">Delete Team<i class="
              fa_fa-arrow-right_ms-3"></i></button>
106
107
108    </div>
109    <!-- JavaScript code -->
110    <script>
111        var queryString = window.location.search;
112        var urlParams = new URLSearchParams(queryString);
113        var id = urlParams.get('ID1');
114        var id2 = urlParams.get('ID');
115
116        const myButton2 = document.getElementById('myButton2');
117 const myButton1 = document.getElementById('myButton1');
118 const addStudent = document.getElementById('fetch-data');
119
120 myButton2.onclick = function() {
121    window.location.href = '/view_teams.html?ID=${id}';
122 };
123
124 myButton1.onclick = function() {
125    window.location.href = '/school.html?ID=${id}';
126 };
127
128        const url2 = 'https://math.gswcm.net:443/JS/get_school?variable=${id}&ID=${id2}';
129          fetch(url2)
130          .then(response => response.json())
131          .then(data => {
132            const PK = data[0].SchoolPK
133
134            const fetchButton = document.querySelector('#fetch-button');
135    fetchButton.addEventListener('click', fetchData);
136
137
138            function fetchData() {
139
140                const formData = new FormData(form1);
141 const formEntries = formData.entries();
142
143                const result = [];
144 let currentObj = {};
145 for (const [key, value] of formEntries) {
146    if (key === 'field') {
147      // Start a new object
148      currentObj = {};
149      result.push(currentObj);
150    }
151    currentObj[key] = value;
152 }
153
154 const jsonString = JSON.stringify(result);
155 console.log(jsonString);
156 location.reload(true);
157
158            fetch('https://math.gswcm.net:443/JS/update_team', {
159        method: 'POST',
160        headers: {
161        'Content-Type': 'application/json'
162        },
163        body: jsonString
164        })
165        .then(response => response.text())
166
167        .then(data => {
168          console.log(data); // outputs "User_updated"
169
170
171        })
172        .catch(error => {
173          console.error(error);
174        });
175
176        fetch('https://math.gswcm.net:443/JS/add_student', {
177        method: 'POST',
178        headers: {
179        'Content-Type': 'application/json'
180        },
181        body: JSON.stringify({
182        school: PK,
183        team: id2
184        })
185 })
186        .then(response => response.text())
187        .then(data => {
188          if(data == "overeight"){
189            alert("You_can_not_have_more_than_8_students_in_a_team._Please_make_a_new_team.")
190          }else{
191            console.log(data); // outputs "User_updated"
192            location.reload(true);
193          }
194        })
195        .catch(error => {
196          console.error(error);
197        })
198    }
199
200    const deleteButton = document.querySelector('#delete-button');
201    deleteButton.addEventListener('click', deleteTeam);
202
203    function deleteTeam() {
204            console.log(PK)
```

```
205        fetch('https://math.gswcm.net:443/JS/delete_team', {
206        method: 'POST',
207        headers: {
208          'Content-Type': 'application/json'
209        },
210        body: JSON.stringify({
211        school: PK,
212        team: id2
213        })
214      })
215        .then(response => response.text())
216        .then(data => {
217          console.log(data); // outputs "User_updated"
218        })
219        .catch(error => {
220          console.error(error);
221        });
222        window.location.href = '/view_teams.html?ID=${id}'
223      }
224
225      const myVariable = data[0].SchoolPK;
226    const url = 'https://math.gswcm.net:443/JS/team?variable=${myVariable}&team=${id2}';
227
228    const url2 = 'https://math.gswcm.net:443/JS/update_team?variable=${myVariable}&team=${id2}';
229
230
231        fetch(url)
232      .then(response => response.json())
233      .then(data => {
234        // 5. Parse the JSON response and use the data to generate the form dynamically
235        const form = document.getElementById('update-record-form');
236        var i = 0
237        data.forEach(item => {
238          i = i + 1
239
240          const field = document.createElement('input');
241          field.type = 'text';
242          field.name = 'field';
243          field.value = i;
244          form.appendChild(field);
245          field.readOnly = true;
246
247          const field1 = document.createElement('input');
248          field1.type = 'text';
249          field1.name = 'field1';
250          field1.value = item.StudentPK;
251          form.appendChild(field1);
252          field1.readOnly = true;
253
254          const field2 = document.createElement('input');
255          field2.type = 'text';
256          field2.name = 'field2';
257          field2.value = item.StudentLName;
258          form.appendChild(field2);
259
260          const field3 = document.createElement('input');
261          field3.type = 'text';
262          field3.name = 'field3';
263          field3.value = item.StudentFName;
264          form.appendChild(field3);
265
266          const deleteButton1 = document.createElement('a');
267          deleteButton1.type='button';
268          deleteButton1.classList.add('btn','btn-primary','btn-outline-light','gsw-secondary','gsw-text-primary','rounded-0')
269      deleteButton1.textContent = 'Delete';
270      deleteButton1.addEventListener('click', () => {
271        const studentPK = item.StudentPK
272
273        // Send data to server
274        fetch('https://math.gswcm.net:443/JS/delete_student', {
275          method: 'POST',
276          body: JSON.stringify({ studentPK }),
277          headers: { 'Content-Type': 'application/json' }
278        })
279
280        .then(response => {
281        })
282        .catch(error => {
283          console.error('Error:', error);
284        });
285        location.reload(true);
286      });
287      form.appendChild(deleteButton1)
288
289          const lineBreak = document.createElement('br');
290          form.appendChild(lineBreak);
291        });
292      })
293      .catch(error => console.error(error));
294
295      const form1 = document.getElementById('update-record-form');
296
297    form1.addEventListener('submit', (event) => {
298      event.preventDefault(); // prevent the default form submission behavio
299      const formData = new FormData(form1);
300    const formEntries = formData.entries();
301
302    const result = [];
303    let currentObj = {};
304    for (const [key, value] of formEntries) {
305      if (key === 'field') {
306        // Start a new object
307        currentObj = {};
308        result.push(currentObj);
309      }
310      currentObj[key] = value;
311    }
312
313    console.log(result)
314
```

```
315        const jsonString = JSON.stringify(result);
316        console.log(jsonString);
317        location.reload(true);
318        alert('Updated')
319
320        // replace with the actual ID of the user to update
321        fetch('https://math.gswcm.net:443/JS/update_team', {
322            method: 'POST',
323            headers: {
324                'Content-Type': 'application/json'
325            },
326            body: jsonString
327        })
328            .then(response => response.text())
329
330            .then(data => {
331                console.log(data); // outputs "User_updated"
332
333
334            })
335            .catch(error => {
336                console.error(error);
337            });
338        const foward = `https://math.gswcm.net/view_team.html?ID1=${id2}&ID=${id}`
339        window.location.replace(foward)
340    });
341        })
342
343    </script>
344
345
346    <!-- JavaScript Libraries -->
347    <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
348    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/
               tWtIaxVXM" crossorigin="anonymous"></script>
349    <script src="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/js/bootstrap-select.min.js"></script>
350 </body>
351
352 </html>
```

File 8.   forgotpass.html

```
1  <!DOCTYPE html>
2  <html lang="en">
3
4      <head>
5          <meta charset="utf-8">
6          <title>GSW Math Tournament</title>
7          <meta content="width=device-width, initial-scale=1.0" name="viewport">
8          <meta content="" name="keywords">
9          <meta content="" name="description">
10
11         <!-- Favicon -->
12         <!--- <link href="/css/Templates/solartec-1.0.0/img/favicon.ico" rel="icon"> -->
13
14         <!-- Google Web Fonts -->
15         <link rel="preconnect" href="https://fonts.googleapis.com">
16         <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
17         <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;500&family=Roboto:wght@500;700;900&display=swap" rel="stylesheet">
18
19         <!-- Icon Font Stylesheet -->
20         <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
21         <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
22
23         <!-- Libraries Stylesheet -->
24         <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/css/bootstrap-select.min.css">
25
26         <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/
                 azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
27         <link href="CSS/custom.css" rel="stylesheet">
28
29     </head>
30
31 <body>
32     <!-- Topbar Start -->
33     <div class="container-fluid gsw-primary p-0" style="z-index: 500;">
34         <div class="row gx-0 d-none d-lg-flex">
35             <div class="col-lg-7 px-5 text-start">
36                 <div class="h-100 d-inline-flex align-items-center me-4">
37                     <small class="fa fa-map-marker-alt gsw-text-secondary me-2"></small>
38                     <small class="text-white">800 Georgia Southwestern State University Dr, Americus, GA 31709</small>
39                 </div>
40                 <div class="h-100 d-inline-flex align-items-center">
41                     <small class="far fa-clock gsw-text-secondary me-2"></small>
42                     <small class="text-white">Mon - Fri : 08:00 AM - 05:00 PM</small>
43                 </div>
44             </div>
45             <div class="col-lg-5 px-5 text-end">
46                 <div class="h-100 d-inline-flex align-items-center me-4">
47                     <small class="fa fa-phone-alt gsw-text-secondary me-2"></small>
48                     <small class="text-white">877-871-4594</small>
49                 </div>
50                 <div class="h-100 d-inline-flex align-items-center mx-n2">
51                     <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.facebook.com/GeorgiaSouthwestern/">
                        <i class="fab fa-facebook-f"></i></a>
52                     <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://twitter.com/GaSouthwestern"><i class="
                        fab fa-twitter"></i></a>
53                     <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.linkedin.com/school/georgia-
                        southwestern-state-university/"><i class="fab fa-linkedin-in"></i></a>
54                     <a class="btn btn-square btn-link rounded-0 gsw-text-secondary" href="http://www.instagram.com/georgiasouthwestern"><i class="fab fa-instagram"></i></a>
55                 </div>
56             </div>
57         </div>
58     </div>
59     <!-- Topbar End -->
60
61     <!-- Navbar Start -->
62     <nav class="container-fluid navbar navbar-expand-lg navbar-light sticky-top p-0" style="background-color: #e3e3e3; z-index: 500;">
63         <a href="index.html" class="navbar-brand mr-auto d-flex align-items-center border-end px-4 px-lg-5">
```

```
64                        <h2 class="m-0_gsw-text-primary">Divide-Conquer</h2>
65                    </a>
66                    <button type="button" class="navbar-toggler_me-2" data-bs-toggle="collapse" data-bs-target="#navbarCollapse">
67                        <span class="navbar-toggler-icon"></span>
68                    </button>
69                    <div class="collapse_navbar-collapse" id="navbarCollapse">
70                        <div class="navbar-nav_ms-auto_p-2_p-lg-0">
71                            <div class="nav-item_dropdown">
72                                <a href="" class="nav-link_dropdown-toggle" style="padding-right:_40px;" data-bs-toggle="dropdown">Info</a>
73                                <div class="dropdown-menu_bg-light_m-0">
74                                    <a href="about.html" class="dropdown-item">About</a>
75                                    <a href="" class="dropdown-item">Past Tounrnaents</a>
76                                    <a href="" class="dropdown-item">Other</a>
77                                </div>
78                            </div>
79                        </div>
80                        <a href="login.html" class="btn_btn-primary_btn-outline-light_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5_d-lg-block">Login<i class="fa_fa-arrow-right_
                            ms-3"></i></a>
81                    </div>
82            </nav>
83            <!-- Navbar End -->



87        <div class="container">
88            <h1 class="gsw-text-primary" style="text-align:_center;_padding:_20px;">
89                Reset Password
90            </h1>
91            <form style="text-align:_center;" class="login" action="" method="POST" id="forgot-user">
92                <input style="text-align:_center;_padding:_20px;" type="text" name="" placeholder="Email" id="email">
93                <br>
94                <div style="display:_inline-block;__padding-top:_10px;" id="html_element"></div>
95                <p></p>
96                <input class="btn_btn-primary_btn-outline-light_mx-auto_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5_d-lg-block" style="padding:_20px;_width:_300px;"
                        type="submit" name="" value="Send_Email">
97            </form>
98            <a href="https://math.gswcm.net/login.html" class="btn_btn-primary_btn-outline-light_mx-auto_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5_d-lg-block" style="
                    padding:_20px;_width:_300px;">Remember your account?</a>
99            <!-- <a href="newuser.html" class="btn_btn-primary_btn-outline-light_mx-auto_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5_d-lg-block" style="padding:_20px;_
                    width:_300px;">Forgot Password?</a> -->
100       </div>




105       <!-- JavaScript Libraries -->
106       <!-- <script src="/JS/login.js"> -->
107       <script src="https://www.google.com/recaptcha/api.js?onload=onloadCallback&render=explicit" async defer></script>
108       <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
109       <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/
                tWtIaxVXM" crossorigin="anonymous"></script>
110       <script src="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/js/bootstrap-select.min.js"></script>
111       <script type="text/javascript">
112           var onloadCallback = function() {
113             grecaptcha.render('html_element', {
114             'sitekey' : '6Lcj9IIlAAAAALQVutpKbz6MhbUtkwp5YXvVt_jN'
115           });
116           };
117       </script>
118       <script>
119           const form1 = document.getElementById('forgot-user');

121           form1.addEventListener('submit', (event) => {
122               event.preventDefault();


125           var email = document.getElementById("email").value;
126           var captcha = grecaptcha.getResponse();

128           if(captcha.length == 0){
129               alert("You_must_complete_the_captcha.");
130           }
131           else{
132           const data = {
133               Email: email,
134           };
135           console.log(data)
136           fetch('https://math.gswcm.net:443/JS/forgot_user', {
137           method: 'POST',
138           headers: {
139           'Content-Type': 'application/json'
140           },
141               body: JSON.stringify(data)
142           })
143           .then(response => response.text())
144           .then(data => {
145           // console.log(data); // outputs "User-updated"
146           if(data == 'Sent'){
147               alert("Email_has_been_sent.")
148               const url = 'https://math.gswcm.net/login.html'
149               window.location.replace(url);
150           }
151           else if (data == "Failure"){
152               alert("The_email_you_have_entered_does_not_exist.")
153           }
154           else if (data == "password-less-than-min"){
155                   alert("The_password_that_you_entered_did_not_meet_or_exceed_8_characters.")
156           }
157           })
158           .catch(error => {
159           console.error(error);
160           });
161           }
162       })
163       </script>
164   </body>

166   </html>
```

File 9. header.html

```
1   <head>
2       <meta charset="utf-8">
3       <title>Test</title>
4       <meta content="width=device-width, _initial-scale=1.0" name="viewport">
5       <meta content="" name="keywords">
6       <meta content="" name="description">
7
8       <!-- Favicon -->
9       <!--- <link href="/css/Templates/solartec-1.0.0/img/favicon.ico" rel="icon"> -->
10
11      <!-- Google Web Fonts -->
12      <link rel="preconnect" href="https://fonts.googleapis.com">
13      <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
14      <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;500&family=Roboto:wght@500;700;900&display=swap" rel="stylesheet">
15
16      <!-- Icon Font Stylesheet -->
17      <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
18      <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
19
20      <!-- Libraries Stylesheet -->
21      <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/css/bootstrap-select.min.css">
22
23      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/
            azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
24      <link href="CSS/custom.css" rel="stylesheet">
25  </head>
```

File 10. index.html

```
1   <!DOCTYPE html>
2   <html lang="en">
3
4       <head>
5           <meta charset="utf-8">
6           <title>GSW Math Tournament</title>
7           <meta content="width=device-width, _initial-scale=1.0" name="viewport">
8           <meta content="" name="keywords">
9           <meta content="" name="description">
10
11          <!-- Favicon -->
12          <!--- <link href="/css/Templates/solartec-1.0.0/img/favicon.ico" rel="icon"> -->
13
14          <link rel="apple-touch-icon" sizes="180x180" href="/apple-touch-icon.png">
15          <link rel="icon" type="image/png" sizes="32x32" href="/favicon-32x32.png">
16          <link rel="icon" type="image/png" sizes="16x16" href="/favicon-16x16.png">
17          <link rel="manifest" href="/site.webmanifest">
18
19          <!-- Google Web Fonts -->
20          <link rel="preconnect" href="https://fonts.googleapis.com">
21          <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
22          <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;500&family=Roboto:wght@500;700;900&display=swap" rel="stylesheet">
23
24          <!-- Icon Font Stylesheet -->
25          <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
26          <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
27
28          <!-- Libraries Stylesheet -->
29          <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/css/bootstrap-select.min.css">
30
31          <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/
                azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
32          <link href="CSS/custom.css" rel="stylesheet">
33      </head>
34
35  <body>
36      <!-- Topbar Start -->
37      <div class="container-fluid _gsw-primary _p-0" style="z-index:_500;">
38          <div class="row_gx-0_d-none_d-lg-flex">
39              <div class="col-lg-7_px-5_text-start">
40                  <div class="h-100_d-inline-flex_align-items-center_me-4">
41                      <small class="fa_fa-map-marker-alt_gsw-text-secondary_me-2"></small>
42                      <small class="text-white">800 Georgia Southwestern State University Dr, Americus, GA 31709</small>
43                  </div>
44                  <div class="h-100_d-inline-flex_align-items-center">
45                      <small class="far_fa-clock_gsw-text-secondary_me-2"></small>
46                      <small class="text-white">Mon - Fri : 08:00 AM - 05:00 PM</small>
47                  </div>
48              </div>
49              <div class="col-lg-5_px-5_text-end">
50                  <div class="h-100_d-inline-flex_align-items-center_me-4">
51                      <small class="fa_fa-phone-alt_gsw-text-secondary_me-2"></small>
52                      <small class="text-white">877-871-4594</small>
53                  </div>
54                  <div class="h-100_d-inline-flex_align-items-center_mx-n2">
55                      <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://www.facebook.com/GeorgiaSouthwestern/">
                            <i class="fab_fa-facebook-f"></i></a>
56                      <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://twitter.com/GaSouthwestern"><i class="
                            fab_fa-twitter"></i></a>
57                      <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://www.linkedin.com/school/georgia-
                            southwestern-state-university/"><i class="fab_fa-linkedin-in"></i></a>
58                      <a class="btn_btn-square_btn-link_rounded-0_gsw-text-secondary" href="http://www.instagram.com/georgiasouthwestern"><i class="fab_fa-instagram"></i></a>
59                  </div>
60              </div>
61          </div>
62      </div>
63      <!-- Topbar End -->
64
65      <!-- Navbar Start -->
66      <nav class="container-fluid_navbar_navbar-expand-lg_navbar-light_sticky-top_p-0" style="background-color:_#e3e3e3;_z-index:_500;">
67          <a href="index.html" class="navbar-brand_mr-auto_d-flex_align-items-center_border-end_px-4_px-lg-5">
68              <h2 class="m-0_gsw-text-primary">Divide-Conquer</h2>
69          </a>
70          <button type="button" class="navbar-toggler_me-2" data-bs-toggle="collapse" data-bs-target="#navbarCollapse">
71              <span class="navbar-toggler-icon"></span>
72          </button>
73          <div class="collapse_navbar-collapse" id="navbarCollapse">
74              <div class="navbar-nav_ms-auto_p-2_p-lg-0">
75                  <div class="nav-item_dropdown">
```

```
76                    <a href="" class="nav-link dropdown-toggle" style="padding-right: 40px;" data-bs-toggle="dropdown">Info</a>
77                    <div class="dropdown-menu bg-light m-0">
78                        <a href="about.html" class="dropdown-item">About</a>
79                        <a href="past.html" class="dropdown-item">Past Tounrnaents</a>
80                        <a href="other.html" class="dropdown-item">Other</a>
81                    </div>
82                </div>
83            </div>
84            <a href="login.html" class="btn btn-primary btn-outline-light gsw-secondary gsw-text-primary rounded-0 py-4 px-lg-5 d-lg-block">Login<i class="fa fa-arrow-right
                ms-3"></i></a>
85        </div>
86    </nav>
87    <!-- Navbar End -->
88    <div class="container">
89        <h1 class="gsw-text-primary" style="text-align: center; padding: 20px;">
90            Upcoming Events
91        </h1>
92    </div>
93
94  <div class="container">
95      <div id="gsw" class="carousel slide" data-bs-ride="carousel">
96
97          <!-- Indicators/dots -->
98          <div class="carousel-indicators">
99            <button type="button" data-bs-target="#gsw" data-bs-slide-to="0" class="active"></button>
100           <button type="button" data-bs-target="#gsw" data-bs-slide-to="1"></button>
101           <button type="button" data-bs-target="#gsw" data-bs-slide-to="2"></button>
102         </div>
103
104         <!-- The slideshow/carousel -->
105         <div class="carousel-inner">
106           <div class="carousel-item active" style="height: 600px;">
107             <img src="imgs/example1.jpg" alt="GSW1" class="d-block" style="width:100%">
108             <div class="carousel-caption">
109               <h1>Next Event</h1>
110               <p>MM/DD/YYYY</p>
111             </div>
112           </div>
113           <div class="carousel-item" style="height: 600px;">
114             <img src="imgs/example3.jpg" alt="GSW2" class="d-block" style="width:100%">
115             <div class="carousel-caption">
116               <h1>Email For More Information</h1>
117               <p>GSW@GSW.com</p>
118             </div>
119           </div>
120           <div class="carousel-item" style="height: 600px;">
121             <img src="imgs/example4.jpg" alt="GSW3" class="d-block" style="width:100%">
122             <div class="carousel-caption">
123               <h3>text</h3>
124               <p>text</p>
125             </div>
126           </div>
127         </div>
128         <button class="carousel-control-prev" type="button" data-bs-target="#gsw" data-bs-slide="prev">
129           <span class="carousel-control-prev-icon"></span>
130         </button>
131         <button class="carousel-control-next" type="button" data-bs-target="#gsw" data-bs-slide="next">
132           <span class="carousel-control-next-icon"></span>
133         </button>
134     </div>
135
136     <!-- JavaScript Libraries -->
137     <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
138     <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/
               tWtIaxVXM" crossorigin="anonymous"></script>
139     <script src="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/js/bootstrap-select.min.js"></script>
140 </body>
141
142 </html>
```

File 11. other.html

```
1   <!DOCTYPE html>
2   <html lang="en">
3
4       <head>
5           <meta charset="utf-8">
6           <title>GSW Math Tournament</title>
7           <meta content="width=device-width, initial-scale=1.0" name="viewport">
8           <meta content="" name="keywords">
9           <meta content="" name="description">
10
11          <!-- Favicon -->
12          <!--- <link href="/css/Templates/solartec-1.0.0/img/favicon.ico" rel="icon"> --->
13
14          <!-- Google Web Fonts -->
15          <link rel="preconnect" href="https://fonts.googleapis.com">
16          <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
17          <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;500&family=Roboto:wght@500;700;900&display=swap" rel="stylesheet">
18
19          <!-- Icon Font Stylesheet -->
20          <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
21          <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
22
23          <!-- Libraries Stylesheet -->
24          <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/css/bootstrap-select.min.css">
25
26          <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/
               azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
27          <link href="CSS/custom.css" rel="stylesheet">
28      </head>
29
30  <body>
31      <!-- Topbar Start -->
32      <div class="container-fluid gsw-primary p-0" style="z-index: 500;">
33          <div class="row gx-0 d-none d-lg-flex">
34              <div class="col-lg-7 px-5 text-start">
35                  <div class="h-100 d-inline-flex align-items-center me-4">
36                      <small class="fa fa-map-marker-alt gsw-text-secondary me-2"></small>
```

```
37                              <small class="text-white">800 Georgia Southwestern State University Dr, Americus, GA 31709</small>
38                          </div>
39                          <div class="h-100 d-inline-flex align-items-center">
40                              <small class="far fa-clock gsw-text-secondary me-2"></small>
41                              <small class="text-white">Mon - Fri : 08:00 AM - 05:00 PM</small>
42                          </div>
43                      </div>
44                      <div class="col-lg-5 px-5 text-end">
45                          <div class="h-100 d-inline-flex align-items-center me-4">
46                              <small class="fa fa-phone-alt gsw-text-secondary me-2"></small>
47                              <small class="text-white">877-871-4594</small>
48                          </div>
49                          <div class="h-100 d-inline-flex align-items-center mx-n2">
50                              <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.facebook.com/GeorgiaSouthwestern/">
                                    <i class="fab fa-facebook-f"></i></a>
51                              <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://twitter.com/GaSouthwestern"><i class="
                                    fab fa-twitter"></i></a>
52                              <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.linkedin.com/school/georgia-
                                    southwestern-state-university/"><i class="fab fa-linkedin-in"></i></a>
53                              <a class="btn btn-square btn-link rounded-0 gsw-text-secondary" href="http://www.instagram.com/georgiasouthwestern"><i class="fab fa-instagram"></i></a>
54                          </div>
55                      </div>
56                  </div>
57              </div>
58              <!-- Topbar End -->
59
60              <!-- Navbar Start -->
61              <nav class="container-fluid navbar navbar-expand-lg navbar-light sticky-top p-0" style="background-color: #e3e3e3; z-index: 500;">
62                  <a href="index.html" class="navbar-brand mr-auto d-flex align-items-center border-end px-4 px-lg-5">
63                      <h2 class="m-0 gsw-text-primary">Divide-Conquer</h2>
64                  </a>
65                  <button type="button" class="navbar-toggler me-2" data-bs-toggle="collapse" data-bs-target="#navbarCollapse">
66                      <span class="navbar-toggler-icon"></span>
67                  </button>
68                  <div class="collapse navbar-collapse" id="navbarCollapse">
69                      <div class="navbar-nav ms-auto p-2 p-lg-0">
70                          <!--- <a href="Home.cfm" class="nav-item nav-link">Home</a> -->
71                          <div class="nav-item dropdown">
72                              <a href="" class="nav-link dropdown-toggle" style="padding-right: 40px;" data-bs-toggle="dropdown">Info</a>
73                              <div class="dropdown-menu bg-light m-0">
74                                  <a href="about.html" class="dropdown-item">About</a>
75                                  <a href="past.html" class="dropdown-item">Past Tounrnaents</a>
76                                  <a href="other.html" class="dropdown-item">Other</a>
77                              </div>
78                          </div>
79                      </div>
80                      <a href="login.html" class="btn btn-primary btn-outline-light gsw-secondary gsw-text-primary rounded-0 py-4 px-lg-5 d-lg-block">Login<i class="fa fa-arrow-right
                                ms-3"></i></a>
81                  </div>
82              </nav>
83              <!-- Navbar End -->
84              <div class="container">
85                  <h1 class="gsw-text-primary" style="text-align: center; padding: 20px;">
86                      Other Information
87                  </h1>
88              </div>
89
90
91
92
93          <!-- JavaScript code -->
94      </script>
95
96          <!-- JavaScript Libraries -->
97          <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
98          <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/
                    tWtIaxVXM" crossorigin="anonymous"></script>
99          <script src="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/js/bootstrap-select.min.js"></script>
100     </body>
101
102  </html>
```

File 12. passwordreset.html

```
1   <!DOCTYPE html>
2   <html lang="en">
3
4       <head>
5           <meta charset="utf-8">
6           <title>GSW Math Tournament</title>
7           <meta content="width=device-width, initial-scale=1.0" name="viewport">
8           <meta content="" name="keywords">
9           <meta content="" name="description">
10
11          <!-- Favicon -->
12          <!--- <link href="/css/Templates/solartec-1.0.0/img/favicon.ico" rel="icon"> -->
13
14          <!-- Google Web Fonts -->
15          <link rel="preconnect" href="https://fonts.googleapis.com">
16          <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
17          <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;500&family=Roboto:wght@500;700;900&display=swap" rel="stylesheet">
18
19          <!-- Icon Font Stylesheet -->
20          <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
21          <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
22
23          <!-- Libraries Stylesheet -->
24          <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/css/bootstrap-select.min.css">
25
26          <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/
                    azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
27          <link href="CSS/custom.css" rel="stylesheet">
28      </head>
29
30  <body>
31      <!-- Topbar Start -->
32      <div class="container-fluid gsw-primary p-0" style="z-index: 500;">
33          <div class="row gx-0 d-none d-lg-flex">
34              <div class="col-lg-7 px-5 text-start">
```

```
35                        <div class="h-100 d-inline-flex align-items-center me-4">
36                            <small class="fa fa-map-marker-alt gsw-text-secondary me-2"></small>
37                            <small class="text-white">800 Georgia Southwestern State University Dr, Americus, GA 31709</small>
38                        </div>
39                        <div class="h-100 d-inline-flex align-items-center">
40                            <small class="far fa-clock gsw-text-secondary me-2"></small>
41                            <small class="text-white">Mon - Fri : 08:00 AM - 05:00 PM</small>
42                        </div>
43                    </div>
44                    <div class="col-lg-5 px-5 text-end">
45                        <div class="h-100 d-inline-flex align-items-center me-4">
46                            <small class="fa fa-phone-alt gsw-text-secondary me-2"></small>
47                            <small class="text-white">877-871-4594</small>
48                        </div>
49                        <div class="h-100 d-inline-flex align-items-center mx-n2">
50                            <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.facebook.com/GeorgiaSouthwestern/">
                                 <i class="fab fa-facebook-f"></i></a>
51                            <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://twitter.com/GaSouthwestern"><i class="
                                 fab fa-twitter"></i></a>
52                            <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.linkedin.com/school/georgia-
                                 southwestern-state-university/"><i class="fab fa-linkedin-in"></i></a>
53                            <a class="btn btn-square btn-link rounded-0 gsw-text-secondary" href="http://www.instagram.com/georgiasouthwestern"><i class="fab fa-instagram"></i></a>
54                        </div>
55                    </div>
56                </div>
57            </div>
58            <!-- Topbar End -->
59
60            <!-- Navbar Start -->
61            <nav class="container-fluid navbar navbar-expand-lg navbar-light sticky-top p-0" style="background-color: #e3e3e3; z-index: 500;">
62                <a href="index.html" class="navbar-brand mr-auto d-flex align-items-center border-end px-4 px-lg-5">
63                    <h2 class="m-0 gsw-text-primary">Divide-Conquer</h2>
64                </a>
65                <button type="button" class="navbar-toggler me-2" data-bs-toggle="collapse" data-bs-target="#navbarCollapse">
66                    <span class="navbar-toggler-icon"></span>
67                </button>
68                <div class="collapse navbar-collapse" id="navbarCollapse">
69                    <div class="navbar-nav ms-auto p-2 p-lg-0">
70                        <div class="nav-item dropdown">
71                            <a href="" class="nav-link dropdown-toggle" style="padding-right: 40px;" data-bs-toggle="dropdown">Info</a>
72                            <div class="dropdown-menu bg-light m-0">
73                                <a href="about.html" class="dropdown-item">About</a>
74                                <a href="" class="dropdown-item">Past Tournaents</a>
75                                <a href="" class="dropdown-item">Other</a>
76                            </div>
77                        </div>
78                    </div>
79                    <a href="login.html" class="btn btn-primary btn-outline-light gsw-secondary gsw-text-primary rounded-0 py-4 px-lg-5 d-lg-block">Login<i class="fa fa-arrow-right
                         ms-3"></i></a>
80                </div>
81            </nav>
82            <!-- Navbar End -->
83
84
85
86            <div class="container">
87                <h1 class="gsw-text-primary" style="text-align: center; padding: 20px;">
88                    Reset Password
89                </h1>
90                <form style="text-align: center;" class="login" action="testinglogin.html" method="POST" id="password-reset">
91                    <input style="text-align: center; padding: 20px;" type="password" name="" placeholder="Enter Password" id="password">
92                    <input style="text-align: center; padding: 20px;" type="password" name="" placeholder="Enter Password Again" id="password2">
93                    <p></p>
94                    <input class="btn btn-primary btn-outline-light mx-auto gsw-secondary gsw-text-primary rounded-0 py-4 px-lg-5 d-lg-block" style="padding: 20px; width: 300px;"
                         type="submit" name="" value="Reset Password">
95                </form>
96                <!-- <a href="https://math.gswcm.net/login.html" class="btn btn-primary btn-outline-light mx-auto gsw-secondary gsw-text-primary rounded-0 py-4 px-lg-5 d-lg-block"
                     style="padding: 20px; width: 300px;">Remember your account?</a> -->
97                <!-- <a href="newuser.html" class="btn btn-primary btn-outline-light mx-auto gsw-secondary gsw-text-primary rounded-0 py-4 px-lg-5 d-lg-block" style="padding: 20px;
                     width: 300px;">Forgot Password?</a> -->
98            </div>
99
100
101
102
103            <!-- JavaScript Libraries -->
104            <!-- <script src="/JS/login.js" -->
105            <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
106            <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/
                 tWtIaxVXM" crossorigin="anonymous"></script>
107            <script src="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/js/bootstrap-select.min.js"></script>
108            <script>
109                const form1 = document.getElementById('password-reset');
110
111                form1.addEventListener('submit', (event) => {
112                    event.preventDefault();
113
114                    const queryString = window.location.search;
115                    const urlParams = new URLSearchParams(queryString);
116                    const ID = urlParams.get('ID')
117
118                var password = document.getElementById("password").value;
119                var password2 = document.getElementById("password2").value;
120
121                const data = {
122                    ID: ID,
123                    Password: password,
124                    Password2: password2,
125                };
126                console.log(data)
127                fetch('https://math.gswcm.net:443/JS/passwordreset', {
128                method: 'POST',
129                headers: {
130                'Content-Type': 'application/json'
131                },
132                    body: JSON.stringify(data)
133                })
134                .then(response => response.text())
135                .then(data => {
136                //console.log(data); // outputs "User updated"
```

```
137              if(data == 'Success '){
138                  alert("Password_has_been_reset .")
139                  const url = 'https ://math.gswcm.net/login.html'
140                  window.location.replace(url);
141              }
142              else if(data == "password-match-error"){
143                  alert("The_password_that_you_entered_did_not_match._Please_try_again.")
144              }
145              else{
146                  alert("There_was_an_issue._Please_try_again.")
147              }
148          })
149          .catch(error => {
150          console.error(error);
151          });
152      })
153      </script>
154  </body>
155
156  </html>
```

File 13. past.html

```
1    <!DOCTYPE html>
2    <html lang="en">
3
4        <head>
5            <meta charset="utf-8">
6            <title>GSW Math Tournament</title>
7            <meta content="width=device-width,_initial-scale=1.0" name="viewport">
8            <meta content="" name="keywords">
9            <meta content="" name="description">
10
11           <!-- Favicon -->
12           <!--- <link href="/css/Templates/solartec-1.0.0/img/favicon.ico" rel="icon"> -->
13
14           <!-- Google Web Fonts -->
15           <link rel="preconnect" href="https://fonts.googleapis.com">
16           <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
17           <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;500&family=Roboto:wght@500;700;900&display=swap" rel="stylesheet">
18
19           <!-- Icon Font Stylesheet -->
20           <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
21           <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
22
23           <!-- Libraries Stylesheet -->
24           <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/css/bootstrap-select.min.css">
25
26           <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/
                 azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
27           <link href="CSS/custom.css" rel="stylesheet">
28       </head>
29
30   <body>
31       <!-- Topbar Start -->
32       <div class="container-fluid_gsw-primary_p-0" style="z-index:_500;">
33           <div class="row_gx-0_d-none_d-lg-flex">
34               <div class="col-lg-7_px-5_text-start">
35                   <div class="h-100_d-inline-flex_align-items-center_me-4">
36                       <small class="fa_fa-map-marker-alt_gsw-text-secondary_me-2"></small>
37                       <small class="text-white">800 Georgia Southwestern State University Dr, Americus, GA 31709</small>
38                   </div>
39                   <div class="h-100_d-inline-flex_align-items-center">
40                       <small class="far_fa-clock_gsw-text-secondary_me-2"></small>
41                       <small class="text-white">Mon - Fri : 08:00 AM - 05:00 PM</small>
42                   </div>
43               </div>
44               <div class="col-lg-5_px-5_text-end">
45                   <div class="h-100_d-inline-flex_align-items-center_me-4">
46                       <small class="fa_fa-phone-alt_gsw-text-secondary_me-2"></small>
47                       <small class="text-white">877-871-4594</small>
48                   </div>
49                   <div class="h-100_d-inline-flex_align-items-center_mx-n2">
50                       <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://www.facebook.com/GeorgiaSouthwestern/">
                              <i class="fab_fa-facebook-f"></i></a>
51                       <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://twitter.com/GaSouthwestern"><i class="
                              fab_fa-twitter"></i></a>
52                       <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://www.linkedin.com/school/georgia-
                              southwestern-state-university/"><i class="fab_fa-linkedin-in"></i></a>
53                       <a class="btn_btn-square_btn-link_rounded-0_gsw-text-secondary" href="http://www.instagram.com/georgiasouthwestern"><i class="fab_fa-instagram"></i></a>
54                   </div>
55               </div>
56           </div>
57       </div>
58       <!-- Topbar End -->
59
60       <!-- Navbar Start -->
61       <nav class="container-fluid_navbar_navbar-expand-lg_navbar-light_sticky-top_p-0" style="background-color:_#e3e3e3;_z-index:_500;">
62           <a href="index.html" class="navbar-brand_mr-auto_d-flex_align-items-center_border-end_px-4_px-lg-5">
63               <h2 class="m-0_gsw-text-primary">Divide-Conquer</h2>
64           </a>
65           <button type="button" class="navbar-toggler_me-2" data-bs-toggle="collapse" data-bs-target="#navbarCollapse">
66               <span class="navbar-toggler-icon"></span>
67           </button>
68           <div class="collapse_navbar-collapse" id="navbarCollapse">
69               <div class="navbar-nav_ms-auto_p-2_p-lg-0">
70                   <!--- <a href="Home.cfm" class="nav-item_nav-link">Home</a> -->
71                   <div class="nav-item_dropdown">
72                       <a href="" class="nav-link_dropdown-toggle" style="padding-right:_40px;" data-bs-toggle="dropdown">Info</a>
73                       <div class="dropdown-menu_bg-light_m-0">
74                           <a href="about.html" class="dropdown-item">About</a>
75                           <a href="past.html" class="dropdown-item">Past Tournaents</a>
76                           <a href="other.html" class="dropdown-item">Other</a>
77                       </div>
78                   </div>
79               </div>
80               <a href="login.html" class="btn_btn-primary_btn-outline-light_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5_d-lg-block">Login<i class="fa_fa-arrow-right_
                      ms-3"></i></a>
81           </div>
```

```
82        </nav>
83        <!-- Navbar End -->
84        <div class="container">
85            <h1 class="gsw-text-primary" style="text-align:_center;_padding:_20px;">
86                Past Tournaments
87            </h1>
88
89            <h2 class="gsw-text-primary" style="text-align:_center;_padding:_20px;">
90                2022 Winners
91            </h2>
92            <img src="imgs/winner.jpg" alt="2022" class="d-block" style="width:100%">
93
94            <h2 class="gsw-text-primary" style="text-align:_center;_padding:_20px;">
95                2021 Winners
96            </h2>
97            <img src="imgs/winner1.jpg" alt="2022" class="d-block" style="width:100%">
98        </div>
99
100        <!-- JavaScript Libraries -->
101        <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
102        <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/
             tWtIaxVXM" crossorigin="anonymous"></script>
103        <script src="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/js/bootstrap-select.min.js"></script>
104    </body>
105
106    </html>
```

File 14. payment.html

```
1    <!DOCTYPE html>
2    <html lang="en">
3
4        <head>
5            <meta charset="utf-8">
6            <title>GSW Math Tournament</title>
7            <meta content="width=device-width,_initial-scale=1.0" name="viewport">
8            <meta content="" name="keywords">
9            <meta content="" name="description">
10
11            <!-- Favicon -->
12            <!--- <link href="/css/Templates/solartec-1.0.0/img/favicon.ico" rel="icon"> -->
13
14            <!-- Google Web Fonts -->
15            <link rel="preconnect" href="https://fonts.googleapis.com">
16            <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
17            <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;500&family=Roboto:wght@500;700;900&display=swap" rel="stylesheet">
18
19            <!-- Icon Font Stylesheet -->
20            <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
21            <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
22
23            <!-- Libraries Stylesheet -->
24            <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/css/bootstrap-select.min.css">
25
26            <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/
                azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
27            <link href="CSS/custom.css" rel="stylesheet">
28        </head>
29
30    <body>
31        <!-- Topbar Start -->
32        <div class="container-fluid_gsw-primary_p-0" style="z-index:_500;">
33            <div class="row_gx-0_d-none_d-lg-flex">
34                <div class="col-lg-7_px-5_text-start">
35                    <div class="h-100_d-inline-flex_align-items-center_me-4">
36                        <small class="fa_fa-map-marker-alt_gsw-text-secondary_me-2"></small>
37                        <small class="text-white">800 Georgia Southwestern State University Dr, Americus, GA 31709</small>
38                    </div>
39                    <div class="h-100_d-inline-flex_align-items-center">
40                        <small class="far_fa-clock_gsw-text-secondary_me-2"></small>
41                        <small class="text-white">Mon - Fri : 08:00 AM - 05:00 PM</small>
42                    </div>
43                </div>
44                <div class="col-lg-5_px-5_text-end">
45                    <div class="h-100_d-inline-flex_align-items-center_me-4">
46                        <small class="fa_fa-phone-alt_gsw-text-secondary_me-2"></small>
47                        <small class="text-white">877-871-4594</small>
48                    </div>
49                    <div class="h-100_d-inline-flex_align-items-center_mx-n2">
50                        <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://www.facebook.com/GeorgiaSouthwestern/">
                            <i class="fab_fa-facebook-f"></i></a>
51                        <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://twitter.com/GaSouthwestern"><i class="
                            fab_fa-twitter"></i></a>
52                        <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://www.linkedin.com/school/georgia-
                            southwestern-state-university/"><i class="fab_fa-linkedin-in"></i></a>
53                        <a class="btn_btn-square_btn-link_rounded-0_gsw-text-secondary" href="http://www.instagram.com/georgiasouthwestern"><i class="fab_fa-instagram"></i></a>
54                    </div>
55                </div>
56            </div>
57        </div>
58        <!-- Topbar End -->
59
60        <!-- Navbar Start -->
61        <nav class="container-fluid_navbar_navbar-expand-lg_navbar-light_sticky-top_p-0" style="background-color:_#e3e3e3;_z-index:_500;">
62            <a href="index.html" class="navbar-brand_mr-auto_d-flex_align-items-center_border-end_px-4_px-lg-5">
63                <h2 class="m-0_gsw-text-primary">Divide-Conquer</h2>
64            </a>
65            <button type="button" class="navbar-toggler_me-2" data-bs-toggle="collapse" data-bs-target="#navbarCollapse">
66                <span class="navbar-toggler-icon"></span>
67            </button>
68            <div class="collapse_navbar-collapse" id="navbarCollapse">
69                <div class="navbar-nav_ms-auto_p-2_p-lg-0">
70                    <div class="nav-item_dropdown">
71                        <a href="" class="nav-link_dropdown-toggle" style="padding-right:_150px;" data-bs-toggle="dropdown">Manage</a>
72                        <div class="dropdown-menu_bg-light_m-0">
73                            <button href="" id="myButton2" class="dropdown-item">Teams</button>
74                            <button href="" id="myButton1" class="dropdown-item" style="padding-right:_150px;">School</button>
75                        </div>
76        </nav>
```

```
77          <!-- Navbar End -->
78
79
80
81          <div class="container">
82              <h1 class="gsw-text-primary" style="text-align:_center;_padding:_20px;">
83                  Payment
84              </h1>
85              <form style="text-align:_center;" class="login" method="POST" id="pay">
86                  <input type="checkbox" id="payment"> Paid
87                  <p></p>
88                  <input class="btn_btn-primary_btn-outline-light_mx-auto_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5_d-lg-block" style="padding:_20px;_width:_300px;"
                            type="submit" name="" value="Submit_Payment">
89              </form>
90          </div>
91
92
93
94
95          <!-- JavaScript Libraries -->
96          <!-- <script src="/JS/login.js" -->
97          <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
98          <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/
                    tWtIaxVXM" crossorigin="anonymous"></script>
99          <script src="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/js/bootstrap-select.min.js"></script>
100         <script>
101             const form1 = document.getElementById('pay');
102
103             form1.addEventListener('submit', (event) => {
104                 event.preventDefault();
105
106                 const queryString = window.location.search;
107                 const urlParams = new URLSearchParams(queryString);
108                 const ID = urlParams.get('ID')
109                 var paid;
110                 if (payment.checked == true){
111                     paid = 1
112                 }
113                 else{
114                     paid = 0
115                 }
116
117             const data = {
118                 ID: ID,
119                 Pay: paid,
120             };
121             //console.log(data)
122             fetch('https://math.gswcm.net:443/JS/payment', {
123             method: 'POST',
124             headers: {
125             'Content-Type': 'application/json'
126             },
127                 body: JSON.stringify(data)
128             })
129             .then(response => response.text())
130             .then(data => {
131             //console.log(data); // outputs "User_updated"
132             if(data == "Success"){
133                 if(paid == 1){
134                     alert("You_have_paid._Thank_you!")
135                 }
136                 else{
137                     alert("You_did_not_complete_the_payment.")
138                 }
139                 const url = `https://math.gswcm.net/user_home.html?ID=${ID}`
140                 window.location.replace(url);
141             }
142             else{
143                 alert("There_was_an_error._Please_try_again_later.")
144             }
145             })
146             .catch(error => {
147             console.error(error);
148             });
149         })
150         </script>
151     </body>
152
153 </html>
```

File 15. school.html

```
1   <!DOCTYPE html>
2   <html lang="en">
3
4       <head>
5           <meta charset="utf-8">
6           <title>GSW Math Tournament</title>
7           <meta content="width=device-width,_initial-scale=1.0" name="viewport">
8           <meta content="" name="keywords">
9           <meta content="" name="description">
10
11          <!-- Favicon -->
12          <!--- <link href="/css/Templates/solartec-1.0.0/img/favicon.ico" rel="icon"> --->
13
14          <!-- Google Web Fonts -->
15          <link rel="preconnect" href="https://fonts.googleapis.com">
16          <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
17          <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;500&family=Roboto:wght@500;700;900&display=swap" rel="stylesheet">
18
19          <!-- Icon Font Stylesheet -->
20          <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
21          <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
22
23          <!-- Libraries Stylesheet -->
24          <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/css/bootstrap-select.min.css">
25
26          <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/
                    azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
```

```
27              <link href="CSS/custom.css" rel="stylesheet">
28          </head>
29
30  <body>
31          <!-- Topbar Start -->
32          <div class="container-fluid gsw-primary p-0" style="z-index:500;">
33              <div class="row gx-0 d-none d-lg-flex">
34                  <div class="col-lg-7 px-5 text-start">
35                      <div class="h-100 d-inline-flex align-items-center me-4">
36                          <small class="fa fa-map-marker-alt gsw-text-secondary me-2"></small>
37                          <small class="text-white">800 Georgia Southwestern State University Dr, Americus, GA 31709</small>
38                      </div>
39                      <div class="h-100 d-inline-flex align-items-center">
40                          <small class="far fa-clock gsw-text-secondary me-2"></small>
41                          <small class="text-white">Mon - Fri : 08:00 AM - 05:00 PM</small>
42                      </div>
43                  </div>
44                  <div class="col-lg-5 px-5 text-end">
45                      <div class="h-100 d-inline-flex align-items-center me-4">
46                          <small class="fa fa-phone-alt gsw-text-secondary me-2"></small>
47                          <small class="text-white">877-871-4594</small>
48                      </div>
49                      <div class="h-100 d-inline-flex align-items-center mx-n2">
50                          <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.facebook.com/GeorgiaSouthwestern/">
                                <i class="fab fa-facebook-f"></i></a>
51                          <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://twitter.com/GaSouthwestern"><i class="
                                fab fa-twitter"></i></a>
52                          <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.linkedin.com/school/georgia-
                                southwestern-state-university/"><i class="fab fa-linkedin-in"></i></a>
53                          <a class="btn btn-square btn-link rounded-0 gsw-text-secondary" href="http://www.instagram.com/georgiasouthwestern"><i class="fab fa-instagram"></i></a>
54                      </div>
55                  </div>
56              </div>
57          </div>
58          <!-- Topbar End -->
59
60          <!-- Navbar Start -->
61          <nav class="container-fluid navbar navbar-expand-lg navbar-light sticky-top p-0" style="background-color:#e3e3e3;z-index:500;">
62              <a href="index.html" class="navbar-brand mr-auto d-flex align-items-center border-end px-4 px-lg-5">
63                  <h2 class="m-0 gsw-text-primary">Divide-Conquer</h2>
64              </a>
65              <button type="button" class="navbar-toggler me-2" data-bs-toggle="collapse" data-bs-target="#navbarCollapse">
66                  <span class="navbar-toggler-icon"></span>
67              </button>
68              <div class="collapse navbar-collapse" id="navbarCollapse">
69                  <div class="navbar-nav ms-auto p-2 p-lg-0">
70                      <div class="nav-item dropdown">
71                          <a href="" class="nav-link dropdown-toggle" style="padding-right:150px;" data-bs-toggle="dropdown">Manage</a>
72                          <div class="dropdown-menu bg-light m-0">
73                              <button href="" id="myButton2" class="dropdown-item">Teams</button>
74                              <button href="" id="myButton1" class="dropdown-item" style="padding-right:150px;">School</button>
75                      </div>
76          </nav>
77          <!-- Navbar End -->
78          <div class="container text-center">
79              <h1 class="gsw-text-primary" style="text-align:center;padding:20px;">
80                  School Information
81              </h1>
82              <div class="text-center">
83              <button href="" id="myButton" class="btn btn-primary btn-outline-light gsw-secondary gsw-text-primary rounded-0 py-4 px-lg-5">Edit<i class="fa fa-arrow-right ms-3">
                    </i></button>
84              </div>
85              <table id="mytable" style="text-align:center;padding:20px;">
86                  </table>
87          </div>
88
89      <!-- JavaScript code -->
90      <script>
91          var queryString = window.location.search;
92              var urlParams = new URLSearchParams(queryString);
93              var id = urlParams.get('ID');
94
95  const myButton2 = document.getElementById('myButton2');
96  const myButton1 = document.getElementById('myButton1');
97
98  myButton2.onclick = function() {
99      window.location.href = '/view_teams.html?ID=${id}';
100  };
101
102  myButton1.onclick = function() {
103      window.location.href = '/school.html?ID=${id}';
104  };
105
106          myButton.onclick = function() {
107      window.location.href = '/edit-school.html?ID=${id}';
108  };
109  const url2 = 'https://math.gswcm.net:443/JS/get_school?variable=${id}';
110          fetch(url2)
111          .then(response => response.json())
112          .then(data => {
113          const url = 'https://math.gswcm.net:443/JS/data?variable=${data[0].SchoolPK}';
114      // Fetch the data from the server and create a table in the HTML document
115      fetch(url)
116          .then(response => response.json())
117          .then(data => {
118          const table = document.getElementById('mytable');
119
120          // Add a header row
121          const headerRow = document.createElement('tr');
122          for (const column in data[0]) {
123              const headerCell = document.createElement('th');
124              headerCell.textContent = column;
125              headerRow.appendChild(headerCell);
126          }
127          table.appendChild(headerRow);
128
129          // Add data rows
130          for (const row of data) {
131              const dataRow = document.createElement('tr');
132              for (const column in row) {
```

```
133            const dataCell = document.createElement('td');
134            dataCell.textContent = row[column];
135            dataRow.appendChild(dataCell);
136          }
137          table.appendChild(dataRow);
138        }
139
140        // Add the table to the HTML document
141
142        document.body.appendChild(table);
143
144        table.classList.add('table','table-success');
145      })
146      .catch(error => console.error(error));
147    })
148  </script>
149
150
151    <!-- JavaScript Libraries -->
152    <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
153    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/
                tWtIaxVXM" crossorigin="anonymous"></script>
154    <script src="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/js/bootstrap-select.min.js"></script>
155  </body>
156
157  </html>
```

File 16. user_home.html

```
1   <!DOCTYPE html>
2   <html lang="en">
3
4      <head>
5          <meta charset="utf-8">
6          <title>GSW Math Tournament</title>
7          <meta content="width=device-width, initial-scale=1.0" name="viewport">
8          <meta content="" name="keywords">
9          <meta content="" name="description">
10
11          <!-- Favicon -->
12          <!--- <link href="/css/Templates/solartec-1.0.0/img/favicon.ico" rel="icon"> -->
13
14          <!-- Google Web Fonts -->
15          <link rel="preconnect" href="https://fonts.googleapis.com">
16          <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
17          <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;500&family=Roboto:wght@500;700;900&display=swap" rel="stylesheet">
18
19          <!-- Icon Font Stylesheet -->
20          <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
21          <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
22
23          <!-- Libraries Stylesheet -->
24          <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/css/bootstrap-select.min.css">
25
26          <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/
                  azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
27          <link href="CSS/custom.css" rel="stylesheet">
28      </head>
29
30   <body>
31      <!-- Topbar Start -->
32      <div class="container-fluid gsw-primary p-0" style="z-index: 500;">
33          <div class="row gx-0 d-none d-lg-flex">
34              <div class="col-lg-7 px-5 text-start">
35                  <div class="h-100 d-inline-flex align-items-center me-4">
36                      <small class="fa fa-map-marker-alt gsw-text-secondary me-2"></small>
37                      <small class="text-white">800 Georgia Southwestern State University Dr, Americus, GA 31709</small>
38                  </div>
39                  <div class="h-100 d-inline-flex align-items-center">
40                      <small class="far fa-clock gsw-text-secondary me-2"></small>
41                      <small class="text-white">Mon - Fri : 08:00 AM - 05:00 PM</small>
42                  </div>
43              </div>
44              <div class="col-lg-5 px-5 text-end">
45                  <div class="h-100 d-inline-flex align-items-center me-4">
46                      <small class="fa fa-phone-alt gsw-text-secondary me-2"></small>
47                      <small class="text-white">877-871-4594</small>
48                  </div>
49                  <div class="h-100 d-inline-flex align-items-center mx-n2">
50                      <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.facebook.com/GeorgiaSouthwestern/">
                              <i class="fab fa-facebook-f"></i></a>
51                      <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://twitter.com/GaSouthwestern"><i class="
                              fab fa-twitter"></i></a>
52                      <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.linkedin.com/school/georgia-
                              southwestern-state-university/"><i class="fab fa-linkedin-in"></i></a>
53                      <a class="btn btn-square btn-link rounded-0 gsw-text-secondary" href="http://www.instagram.com/georgiasouthwestern"><i class="fab fa-instagram"></i></a>
54                  </div>
55              </div>
56          </div>
57      </div>
58      <!-- Topbar End -->
59
60      <!-- Navbar Start -->
61      <nav class="container-fluid navbar navbar-expand-lg navbar-light sticky-top p-0" style="background-color: #e3e3e3; z-index: 500;">
62          <a href="index.html" class="navbar-brand mr-auto d-flex align-items-center border-end px-4 px-lg-5">
63              <h2 class="m-0 gsw-text-primary">Divide-Conquer</h2>
64          </a>
65          <button type="button" class="navbar-toggler me-2" data-bs-toggle="collapse" data-bs-target="#navbarCollapse">
66              <span class="navbar-toggler-icon"></span>
67          </button>
68          <div class="collapse navbar-collapse" id="navbarCollapse">
69              <div class="navbar-nav ms-auto p-2 p-lg-0">
70                  <div class="nav-item dropdown">
71                      <a href="" class="nav-link dropdown-toggle" style="padding-right: 150px;" data-bs-toggle="dropdown">Manage</a>
72                      <div class="dropdown-menu bg-light m-0">
73                          <button href="" id="myButton" class="dropdown-item">Teams</button>
74                          <button href="" id="myButton1" class="dropdown-item" style="padding-right: 150px;">School</button>
75                      </div>
76          </nav>
```

```
77          <!-- Navbar End -->
78          <div class="container">
79              <h1 class="gsw-text-primary" style="text-align:_center;_padding:_20px;">
80                  GSW Math Tournament Home
81              </h1>
82              <img src="imgs/school.jpg" alt="2022" class="d-block" style="width:100%">
83          </div>
84
85          <script>
86              var queryString = window.location.search;
87              var urlParams = new URLSearchParams(queryString);
88              var id = urlParams.get('ID');
89              console.log(id)
90
91              const myVariable1 = id;
92  const myButton = document.getElementById('myButton');
93  const myButton1 = document.getElementById('myButton1');
94
95  myButton.onclick = function() {
96    window.location.href = '/view_teams.html?ID=${myVariable1}';
97  };
98
99  myButton1.onclick = function() {
100    window.location.href = '/school.html?ID=${myVariable1}';
101  };
102
103  const myVariable = id;
104  const url = 'https://math.gswcm.net:443/JS/get_school?variable=${myVariable}';
105
106
107          // Fetch the data from the server and create a table in the HTML document
108          fetch(url)
109              .then(response => response.json())
110              .then(data => {
111                  console.log(data[0].SchoolPK)
112
113              })
114              .catch(error => console.error(error));
115          </script>
116
117          <!-- JavaScript Libraries -->
118          <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
119          <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/
                tWtIaxVXM" crossorigin="anonymous"></script>
120          <script src="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/js/bootstrap-select.min.js"></script>
121          <script>
122          window.addEventListener('load', (event) => {
123              event.preventDefault();
124
125              const queryString = window.location.search;
126              const urlParams = new URLSearchParams(queryString);
127              const ID = urlParams.get('ID')
128
129              if(ID == null){
130                  alert("You_are_not_logged_in.")
131                  const url = 'https://math.gswcm.net/login.html'
132                  window.location.replace(url);
133              }
134          })
135          </script>
136  </body>
137
138  </html>
```

File 17. verifyemail.html

```
1   <!DOCTYPE html>
2   <html lang="en">
3
4       <head>
5           <meta charset="utf-8">
6           <title>GSW Math Tournament</title>
7           <meta content="width=device-width,_initial-scale=1.0" name="viewport">
8           <meta content="" name="keywords">
9           <meta content="" name="description">
10
11          <!-- Favicon -->
12          <!-- <link href="/css/Templates/solartec-1.0.0/img/favicon.ico" rel="icon"> -->
13
14          <!-- Google Web Fonts -->
15          <link rel="preconnect" href="https://fonts.googleapis.com">
16          <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
17          <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;500&family=Roboto:wght@500;700;900&display=swap" rel="stylesheet">
18
19          <!-- Icon Font Stylesheet -->
20          <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
21          <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
22
23          <!-- Libraries Stylesheet -->
24          <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/css/bootstrap-select.min.css">
25
26          <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/
                azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
27          <link href="CSS/custom.css" rel="stylesheet">
28      </head>
29
30  <body>
31      <!-- Topbar Start -->
32      <div class="container-fluid_gsw-primary_p-0" style="z-index:_500;">
33          <div class="row_gx-0_d-none_d-lg-flex">
34              <div class="col-lg-7_px-5_text-start">
35                  <div class="h-100_d-inline-flex_align-items-center_me-4">
36                      <small class="fa_fa-map-marker-alt_gsw-text-secondary_me-2"></small>
37                      <small class="text-white">800 Georgia Southwestern State University Dr, Americus, GA 31709</small>
38                  </div>
39                  <div class="h-100_d-inline-flex_align-items-center">
40                      <small class="far_fa-clock_gsw-text-secondary_me-2"></small>
41                      <small class="text-white">Mon - Fri : 08:00 AM - 05:00 PM</small>
42                  </div>
```

```
43                    </div>
44                    <div class="col-lg-5 px-5 text-end">
45                        <div class="h-100 d-inline-flex align-items-center me-4">
46                            <small class="fa fa-phone-alt gsw-text-secondary me-2"></small>
47                            <small class="text-white">877-871-4594</small>
48                        </div>
49                        <div class="h-100 d-inline-flex align-items-center mx-n2">
50                            <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.facebook.com/GeorgiaSouthwestern/">
                                 <i class="fab fa-facebook-f"></i></a>
51                            <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://twitter.com/GaSouthwestern"><i class="
                                 fab fa-twitter"></i></a>
52                            <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.linkedin.com/school/georgia-
                                 southwestern-state-university/"><i class="fab fa-linkedin-in"></i></a>
53                            <a class="btn btn-square btn-link rounded-0 gsw-text-secondary" href="http://www.instagram.com/georgiasouthwestern"><i class="fab fa-instagram"></i></a>
54                        </div>
55                    </div>
56                </div>
57            </div>
58            <!-- Topbar End -->
59
60            <!-- Navbar Start -->
61            <nav class="container-fluid navbar navbar-expand-lg navbar-light sticky-top p-0" style="background-color: #e3e3e3; z-index: 500;">
62                <a href="index.html" class="navbar-brand mr-auto d-flex align-items-center border-end px-4 px-lg-5">
63                    <h2 class="m-0 gsw-text-primary">Divide-Conquer</h2>
64                </a>
65                <button type="button" class="navbar-toggler me-2" data-bs-toggle="collapse" data-bs-target="#navbarCollapse">
66                    <span class="navbar-toggler-icon"></span>
67                </button>
68                <div class="collapse navbar-collapse" id="navbarCollapse">
69                    <div class="navbar-nav ms-auto p-2 p-lg-0">
70                        <div class="nav-item dropdown">
71                            <a href="" class="nav-link dropdown-toggle" style="padding-right: 40px;" data-bs-toggle="dropdown">Info</a>
72                            <div class="dropdown-menu bg-light m-0">
73                                <a href="about.html" class="dropdown-item">About</a>
74                                <a href="" class="dropdown-item">Past Tounrnaents</a>
75                                <a href="" class="dropdown-item">Other</a>
76                            </div>
77                        </div>
78                    </div>
79                    <a href="login.html" class="btn btn-primary btn-outline-light gsw-secondary gsw-text-primary rounded-0 py-4 px-lg-5 d-lg-block">Login<i class="fa fa-arrow-right
                          ms-3"></i></a>
80                </div>
81            </nav>
82            <!-- Navbar End -->
83
84
85
86            <div class="container">
87                <h1 class="gsw-text-primary" style="text-align: center; padding: 20px;">
88                    Reset Password
89                </h1>
90            </div>
91
92
93
94
95            <!-- JavaScript Libraries -->
96            <!-- <script src="/JS/login.js" -->
97            <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
98            <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/
                   tWtlaxVXM" crossorigin="anonymous"></script>
99            <script src="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/js/bootstrap-select.min.js"></script>
100           <script>
101               window.addEventListener('load', (event) => {
102                   event.preventDefault();
103
104                   const queryString = window.location.search;
105                   const urlParams = new URLSearchParams(queryString);
106                   const ID = urlParams.get('ID')
107
108               const data = {
109                   ID: ID,
110               };
111               console.log(data)
112               fetch('https://math.gswcm.net:443/JS/verifyemail', {
113               method: 'POST',
114               headers: {
115               'Content-Type': 'application/json'
116               },
117                   body: JSON.stringify(data)
118               })
119               .then(response => response.text())
120               .then(data => {
121               //console.log(data); // outputs "User updated"
122               if(data == 'Success'){
123                   alert("Your email has been verified.")
124                   const url = 'https://math.gswcm.net/login.html'
125                   window.location.replace(url);
126               }
127               else{
128                   alert("There was an issue. Please try again.")
129               }
130               })
131               .catch(error => {
132               console.error(error);
133               });
134               })
135           </script>
136       </body>
137
138   </html>
```

File 18. view_team.html

```
1    <!DOCTYPE html>
2    <html lang="en">
3
4        <head>
5            <meta charset="utf-8">
```

```html
 6            <title>GSW Math Tournament</title>
 7            <meta content="width=device-width,_initial-scale=1.0" name="viewport">
 8            <meta content="" name="keywords">
 9            <meta content="" name="description">
10
11            <!-- Favicon -->
12            <!--- <link href="/css/Templates/solartec-1.0.0/img/favicon.ico" rel="icon"> -->
13
14            <!-- Google Web Fonts -->
15            <link rel="preconnect" href="https://fonts.googleapis.com">
16            <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
17            <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;500&family=Roboto:wght@500;700;900&display=swap" rel="stylesheet">
18
19            <!-- Icon Font Stylesheet -->
20            <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
21            <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
22
23            <!-- Libraries Stylesheet -->
24            <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/css/bootstrap-select.min.css">
25
26            <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/
                     azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
27            <link href="CSS/custom.css" rel="stylesheet">
28        </head>
29
30  <body>
31      <!-- Topbar Start -->
32      <div class="container-fluid_gsw-primary_p-0" style="z-index:_500;">
33          <div class="row_gx-0_d-none_d-lg-flex">
34              <div class="col-lg-7_px-5_text-start">
35                  <div class="h-100_d-inline-flex_align-items-center_me-4">
36                      <small class="fa_fa-map-marker-alt_gsw-text-secondary_me-2"></small>
37                      <small class="text-white">800 Georgia Southwestern State University Dr, Americus, GA 31709</small>
38                  </div>
39                  <div class="h-100_d-inline-flex_align-items-center">
40                      <small class="far_fa-clock_gsw-text-secondary_me-2"></small>
41                      <small class="text-white">Mon - Fri : 08:00 AM - 05:00 PM</small>
42                  </div>
43              </div>
44              <div class="col-lg-5_px-5_text-end">
45                  <div class="h-100_d-inline-flex_align-items-center_me-4">
46                      <small class="fa_fa-phone-alt_gsw-text-secondary_me-2"></small>
47                      <small class="text-white">877-871-4594</small>
48                  </div>
49                  <div class="h-100_d-inline-flex_align-items-center_mx-n2">
50                      <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://www.facebook.com/GeorgiaSouthwestern/">
                             <i class="fab_fa-facebook-f"></i></a>
51                      <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://twitter.com/GaSouthwestern"><i class="
                             fab_fa-twitter"></i></a>
52                      <a class="btn_btn-square_btn-link_rounded-0_border-0_border-end_border-secondary_gsw-text-secondary" href="https://www.linkedin.com/school/georgia-
                             southwestern-state-university/"><i class="fab_fa-linkedin-in"></i></a>
53                      <a class="btn_btn-square_btn-link_rounded-0_gsw-text-secondary" href="http://www.instagram.com/georgiasouthwestern"><i class="fab_fa-instagram"></i></a>
54                  </div>
55              </div>
56          </div>
57      <!-- Topbar End -->
58
59
60      <!-- Navbar Start -->
61      <nav class="container-fluid_navbar_navbar-expand-lg_navbar-light_sticky-top_p-0" style="background-color:_#e3e3e3;_z-index:_500;">
62          <a href="index.html" class="navbar-brand_mr-auto_d-flex_align-items-center_border-end_px-4_px-lg-5">
63              <h2 class="m-0_gsw-text-primary">Divide-Conquer</h2>
64          </a>
65          <button type="button" class="navbar-toggler_me-2" data-bs-toggle="collapse" data-bs-target="#navbarCollapse">
66              <span class="navbar-toggler-icon"></span>
67          </button>
68          <div class="collapse_navbar-collapse" id="navbarCollapse">
69              <div class="navbar-nav_ms-auto_p-2_p-lg-0">
70                  <div class="nav-item_dropdown">
71                      <a href="" class="nav-link_dropdown-toggle" style="padding-right:_150px;" data-bs-toggle="dropdown">Manage</a>
72                      <div class="dropdown-menu_bg-light_m-0">
73                          <button href="" id="myButton2" class="dropdown-item">Teams</button>
74                          <button href="" id="myButton1" class="dropdown-item" style="padding-right:_150px;">School</button>
75                  </div>
76          </nav>
77      <!-- Navbar End -->
78          <div class="text-center">
79  <button id="myButton" class="btn_btn-primary_btn-outline-light_gsw-secondary_gsw-text-primary_rounded-0_py-4_px-lg-5" style="margin-top:_20px;">Edit Team<i class="fa_fa-arrow
                -right_ms-3"></i></button>
80  </div>
81          <div class="container">
82              <h1 id="Team" class="gsw-text-primary" style="text-align:_center;_padding:_20px;">
83
84              </h1>
85          </div>
86
87
88      <script>
89           var queryString = window.location.search;
90       var urlParams = new URLSearchParams(queryString);
91       var id = urlParams.get('ID1');
92       var id2 = urlParams.get('ID');
93       const myButton = document.getElementById('myButton');
94
95       myButton.onclick = function() {
96         window.location.href = '/edit-team.html?ID1=${id2}&ID=${id}';
97   };
98
99   const myButton2 = document.getElementById('myButton2');
100  const myButton1 = document.getElementById('myButton1');
101
102  myButton2.onclick = function() {
103    window.location.href = '/view_teams.html?ID=${id2}';
104  };
105
106  myButton1.onclick = function() {
107    window.location.href = '/school.html?ID=${id2}';
108  };
109
110  var team = document.getElementById("Team");
```

```
111        team.textContent += 'Team ' + id;
112
113    console.log(id)
114    console.log(id2)
115
116    const url2 = `https://math.gswcm.net:443/JS/get_school?variable=${id2}&ID=${id}`;
117        fetch(url2)
118        .then(response => response.json())
119        .then(data => {
120
121    const myVariable = data[0].SchoolPK;
122    console.log(myVariable)
123    const id1 = id
124
125    const url = `https://math.gswcm.net:443/JS/team2?variable=${myVariable}&team=${id1}`;
126
127
128        // Fetch the data from the server and create a table in the HTML document
129        fetch(url)
130        .then(response => response.json())
131        .then(data => {
132          const table = document.createElement('table');
133
134          // Add a header row
135          const headerRow = document.createElement('tr');
136          for (const column in data[0]) {
137            const headerCell = document.createElement('th');
138            headerCell.textContent = column;
139            headerRow.appendChild(headerCell);
140          }
141          table.appendChild(headerRow);
142
143          // Add data rows
144          for (const row of data) {
145            const dataRow = document.createElement('tr');
146            for (const column in row) {
147              const dataCell = document.createElement('td');
148              dataCell.textContent = row[column];
149              dataRow.appendChild(dataCell);
150            }
151            table.appendChild(dataRow);
152          }
153
154          // Add the table to the HTML document
155
156          document.body.appendChild(table);
157
158          table.classList.add('table','table-success');
159        })
160        .catch(error => console.error(error));
161      })
162    </script>
163
164
165      </script>
166
167    <!-- JavaScript Libraries -->
168    <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
169    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/
                 tWtIaxVXM" crossorigin="anonymous"></script>
170    <script src="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/js/bootstrap-select.min.js"></script>
171 </body>
172
173 </html>
```

File 19.   view_teams.html

```
1  <!DOCTYPE html>
2  <html lang="en">
3
4      <head>
5          <meta charset="utf-8">
6          <title>GSW Math Tournament</title>
7          <meta content="width=device-width, initial-scale=1.0" name="viewport">
8          <meta content="" name="keywords">
9          <meta content="" name="description">
10
11         <!-- Favicon -->
12         <!--- <link href="/css/Templates/solartec-1.0.0/img/favicon.ico" rel="icon"> --->
13
14         <!-- Google Web Fonts -->
15         <link rel="preconnect" href="https://fonts.googleapis.com">
16         <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
17         <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;500&family=Roboto:wght@500;700;900&display=swap" rel="stylesheet">
18
19         <!-- Icon Font Stylesheet -->
20         <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
21         <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
22
23         <!-- Libraries Stylesheet -->
24         <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/css/bootstrap-select.min.css">
25
26         <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/
                  azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
27         <link href="CSS/custom.css" rel="stylesheet">
28     </head>
29
30 <body>
31     <!-- Topbar Start -->
32     <div class="container-fluid gsw-primary p-0" style="z-index: 500;">
33         <div class="row gx-0 d-none d-lg-flex">
34             <div class="col-lg-7 px-5 text-start">
35                 <div class="h-100 d-inline-flex align-items-center me-4">
36                     <small class="fa fa-map-marker-alt gsw-text-secondary me-2"></small>
37                     <small class="text-white">800 Georgia Southwestern State University Dr, Americus, GA 31709</small>
38                 </div>
39                 <div class="h-100 d-inline-flex align-items-center">
40                     <small class="far fa-clock gsw-text-secondary me-2"></small>
41                     <small class="text-white">Mon - Fri : 08:00 AM - 05:00 PM</small>
```

```
42                          </div>
43                      </div>
44                  <div class="col-lg-5 px-5 text-end">
45                      <div class="h-100 d-inline-flex align-items-center me-4">
46                          <small class="fa fa-phone-alt gsw-text-secondary me-2"></small>
47                          <small class="text-white">877-871-4594</small>
48                      </div>
49                      <div class="h-100 d-inline-flex align-items-center mx-n2">
50                          <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.facebook.com/GeorgiaSouthwestern/">
                                <i class="fab fa-facebook-f"></i></a>
51                          <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://twitter.com/GaSouthwestern"><i class="
                                fab fa-twitter"></i></a>
52                          <a class="btn btn-square btn-link rounded-0 border-0 border-end border-secondary gsw-text-secondary" href="https://www.linkedin.com/school/georgia-
                                southwestern-state-university/"><i class="fab fa-linkedin-in"></i></a>
53                          <a class="btn btn-square btn-link rounded-0 gsw-text-secondary" href="http://www.instagram.com/georgiasouthwestern"><i class="fab fa-instagram"></i></a>
54                      </div>
55                  </div>
56              </div>
57          </div>
58          <!-- Topbar End -->
59
60          <!-- Navbar Start -->
61          <nav class="container-fluid navbar navbar-expand-lg navbar-light sticky-top p-0" style="background-color: #e3e3e3; z-index: 500;">
62              <a href="index.html" class="navbar-brand mr-auto d-flex align-items-center border-end px-4 px-lg-5">
63                  <h2 class="m-0 gsw-text-primary">Divide-Conquer</h2>
64              </a>
65              <button type="button" class="navbar-toggler me-2" data-bs-toggle="collapse" data-bs-target="#navbarCollapse">
66                  <span class="navbar-toggler-icon"></span>
67              </button>
68              <div class="collapse navbar-collapse" id="navbarCollapse">
69                  <div class="navbar-nav ms-auto p-2 p-lg-0">
70                      <div class="nav-item dropdown">
71                          <a href="" class="nav-link dropdown-toggle" style="padding-right: 150px;" data-bs-toggle="dropdown">Manage</a>
72                          <div class="dropdown-menu bg-light m-0">
73                              <button href="" id="myButton2" class="dropdown-item">Teams</button>
74                              <button href="" id="myButton1" class="dropdown-item" style="padding-right: 150px;">School</button>
75                  </div>
76          </nav>
77          <!-- Navbar End -->
78          <div class="container" id="button-container">
79              <h1 class="gsw-text-primary" style="text-align: center; padding: 20px;">
80                  Teams
81              </h1>
82          </div>
83  <div class="text-center">
84  <button id="fetch-button" class="btn btn-primary btn-outline-light gsw-secondary gsw-text-primary rounded-0 py-4 px-lg-5" style="margin-top: 20px;">Add Team<i class="fa fa-
        arrow-right ms-3"></i></button>
85  </div>
86
87
88
89      <script>
90          var queryString = window.location.search;
91          var urlParams = new URLSearchParams(queryString);
92          var id = urlParams.get('ID');
93
94          const myButton2 = document.getElementById('myButton2');
95  const myButton1 = document.getElementById('myButton1');
96
97  myButton2.onclick = function() {
98    window.location.href = '/view_teams.html?ID=${id}';
99  };
100
101  myButton1.onclick = function() {
102    window.location.href = '/school.html?ID=${id}';
103  };
104
105          const myVariable = id;
106
107  const url2 = 'https://math.gswcm.net:443/JS/get_school?variable=${myVariable}';
108
109
110      // Fetch the data from the server and create a table in the HTML document
111      fetch(url2)
112        .then(response => response.json())
113        .then(data => {
114          const fetchButton = document.querySelector('#fetch-button');
115    fetchButton.addEventListener('click', fetchData);
116
117      function fetchData() {
118        fetch('https://math.gswcm.net:443/JS/add_team/${data[0].SchoolPK}', {
119        method: 'POST',
120        headers: {
121          'Content-Type': 'application/json'
122        },
123
124
125      })
126        .then(response => response.text())
127        .then(data => {
128          console.log(data); // outputs "User updated"
129          window.location.reload();
130        })
131        .catch(error => {
132          console.error(error);
133        });
134      }
135          console.log(data[0].SchoolPK)
136          const url = 'https://math.gswcm.net:443/JS/team_data?variable=${data[0].SchoolPK}';
137          fetch(url)
138      .then(response => response.json())
139      .then(data => {
140      // Loop through the data and create a button for each item
141      data.forEach(item => {
142        // Create a button element
143        const button = document.createElement('a');
144        const ID = item.TeamID
145
146        const url2 = 'https://math.gswcm.net:443/view_team.html?ID1=${item.TeamPK}&ID=${id}'
147
```

```
148          button.classList.add('btn','btn-primary','btn-outline-light','gsw-secondary','gsw-text-primary','rounded-0','py-4','px-lg-5','d-lg-block');
149
150          button.setAttribute('href', url2);
151
152          // Set the button text and data attribute
153          button.setAttribute('type', 'button');
154          button.textContent = "Team" + item.TeamID;
155          button.setAttribute('data-id', item.TeamID);
156
157          // Append the button to the container element
158          document.getElementById('button-container').appendChild(button);
159        });
160      })
161      .catch(error => {
162        console.error('Error fetching data:', error);
163      });
164
165
166        })
167        .catch(error => console.error(error));
168
169
170            </script>
171
172      <!-- JavaScript Libraries -->
173      <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
174      <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/
                tWtIaxVXM" crossorigin="anonymous"></script>
175      <script src="https://cdn.jsdelivr.net/npm/bootstrap-select@1.14.0-beta2/dist/js/bootstrap-select.min.js"></script>
176  </body>
177
178  </html>
```