

GROUP 4

FINAL PROJECT PRESENTATION

ICS 2609 BACK END PROGRAMMING

OUTLINE OF TOPICS

WHAT WE'LL DISCUSS

Final Mock-Up Prototype

Database Design and Implementation

Git Repository

Deployed Web Project

Summarized Contribution of Each Member

MEET OUR TEAM

GROUP 4



**CLARIZA MARIE
CRUZ**

Project Manager



**MARC CLARENZ
TAN**

Requirements Analyst



**KARL GABRIELLE
MARCOS**

Front-End
Programmer



**HANS ROY
BILLONES**

Back-End
Programmer



**RHOVIC
CABUGAO**

Database Developer

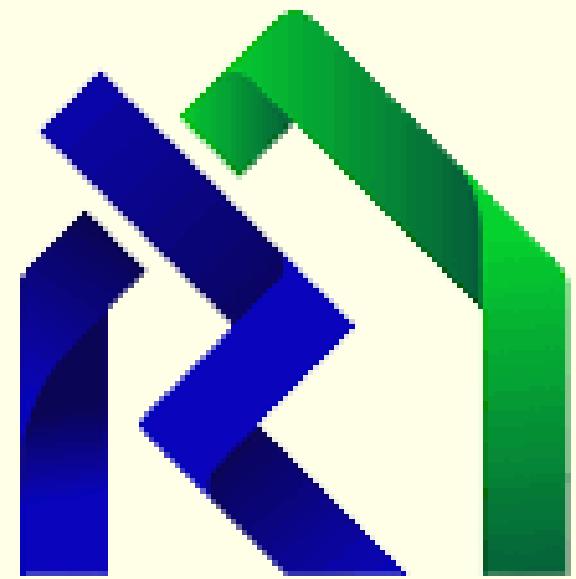
FINAL MOCK-UP PROTOTYPE

```
getWeather = async () => {
  const apiCall = fetch(`${apiBase}q=${this.state.userInputCity}`);
  apiCall.then(res => res.json())
  .then(res => {
    console.log(res);
    let city = res.name;
    let country = res.sys.country;
    let weatherDescription = res.weather[0].main;
    let currentTemp = res.main.temp;
    let maxTemp = res.main.temp_max;
    let minTemp = res.main.temp_min;
    console.log(weatherDescription);
    console.log(currentTemp);
    console.log(maxTemp);
    console.log(minTemp);
  })
  .then(() => this.setState({
    city: city,
    country: country,
    weatherDescription: weatherDescription,
    currentTemp: currentTemp,
    maxTemp: maxTemp,
  }));
}

export default App;
```

OUR CLIENT

Rockford Marketing Corporation is a renowned trading company created by a group of professionals and businessmen situated in the area of Tondo, Manila since 1976. The Company is an importer and distributor of quality products from various countries primarily Japanese products from the best known brand, the NEC Brand, specialized in tubular and circular High Grade fluorescent lamps. This is how RMC all started, with learning lighting solutions that best meet the customers' needs.





ROCKFORD

PROBLEM STATEMENT

As a company that collects large amounts of data, not having the right tool can lessen work efficiency and delay progress. Regardless of the nature of data whether it is text or numerical form, having the right tools allows the user to efficiently manipulate data to make it useful and presentable.

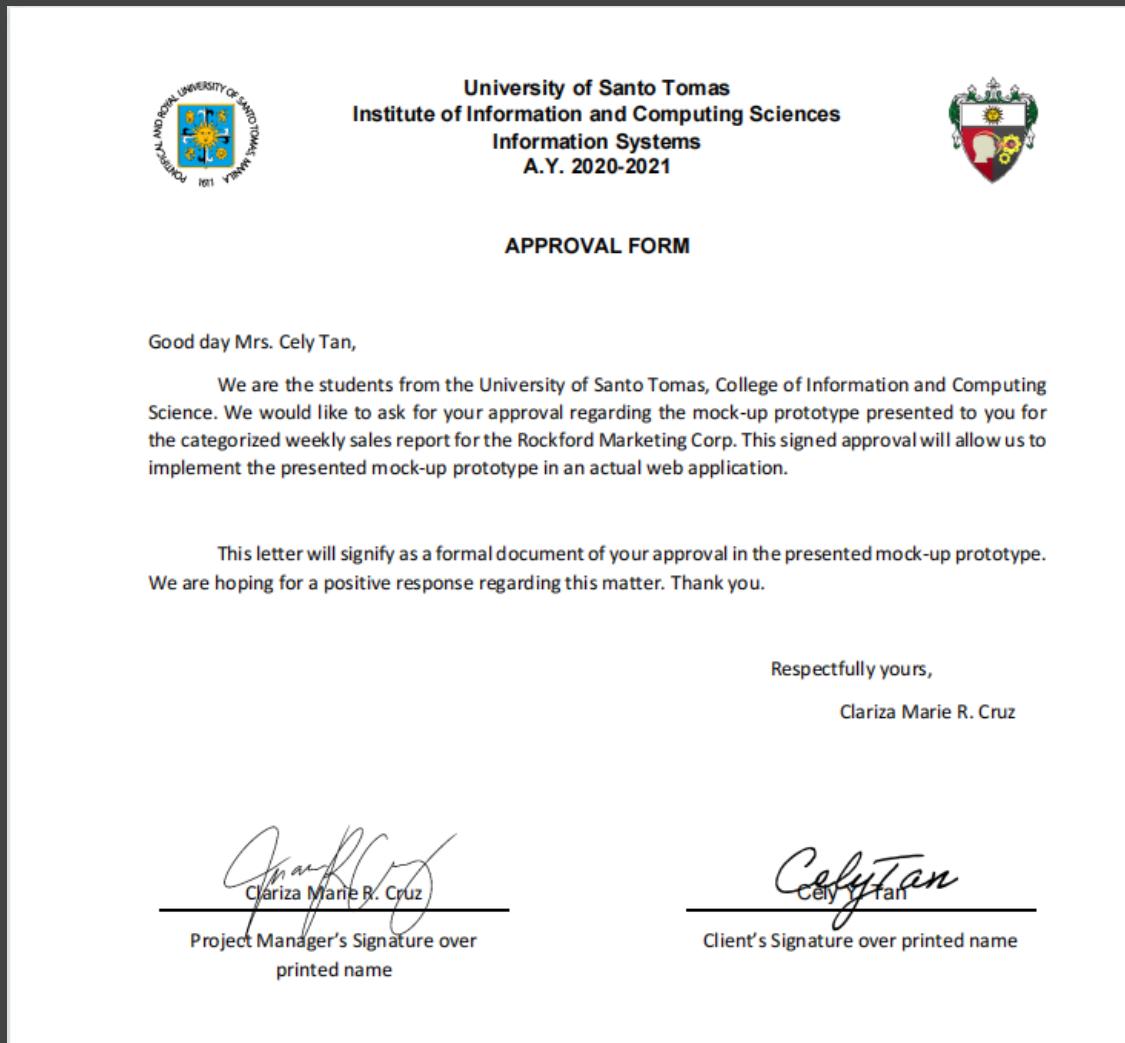
Thus, the Rockford Marketing Corp., with its lack of technological advancement, wants to have an application that is solely dedicated in creating and viewing the business' sales report and categorized those reports based on months or weeks.



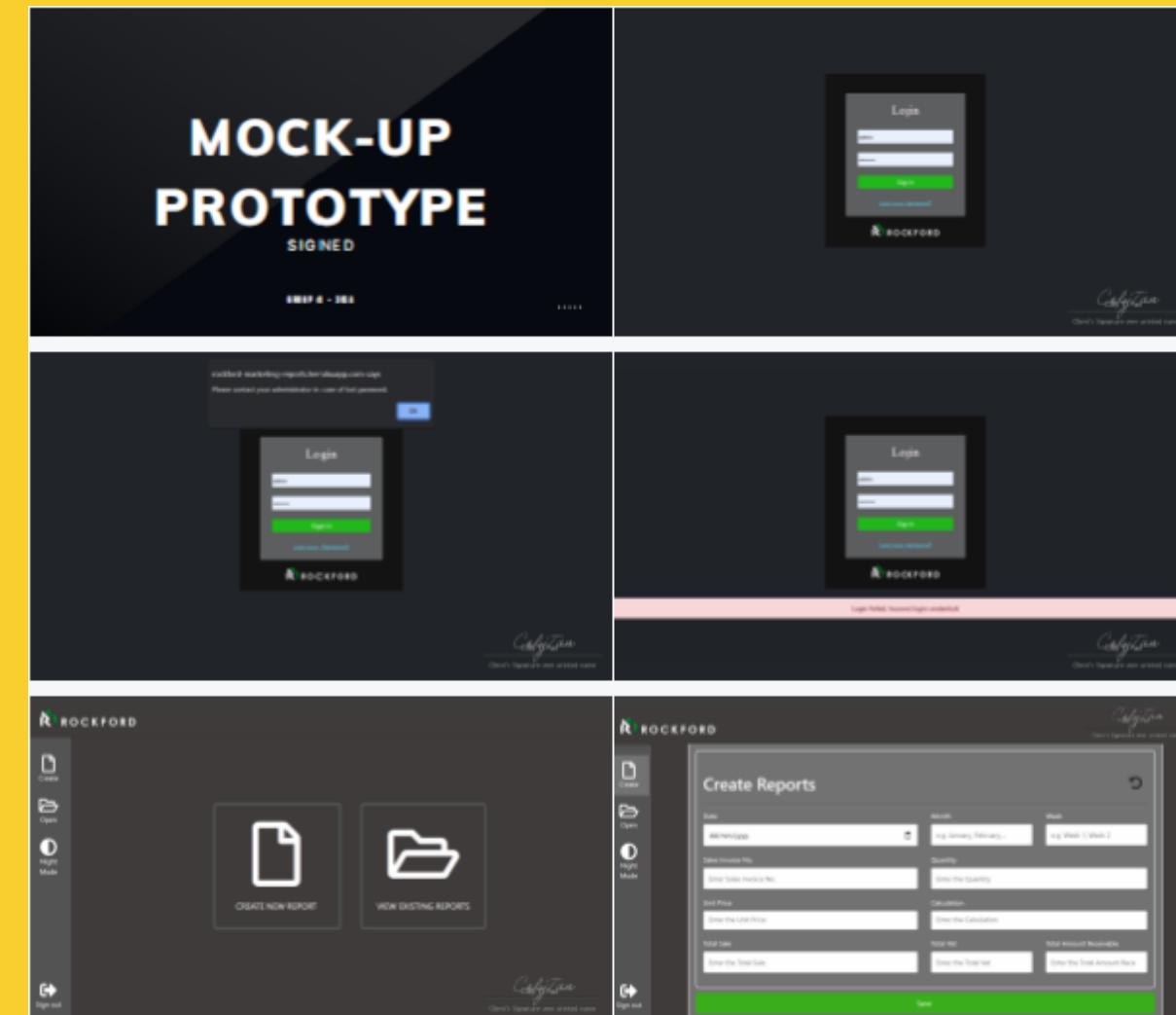
REQUIREMENTS GATHERING AND ANALYSIS

In this part, we have gathered all of the requirements like the signed mock-up prototype and the signed approval, that are necessary for us to continue to the implementation phase. Also, we analyzed the problem that is stated to us by our client and with that, our team strived to address our client needs.

REQUIREMENTS GATHERING AND ANALYSIS

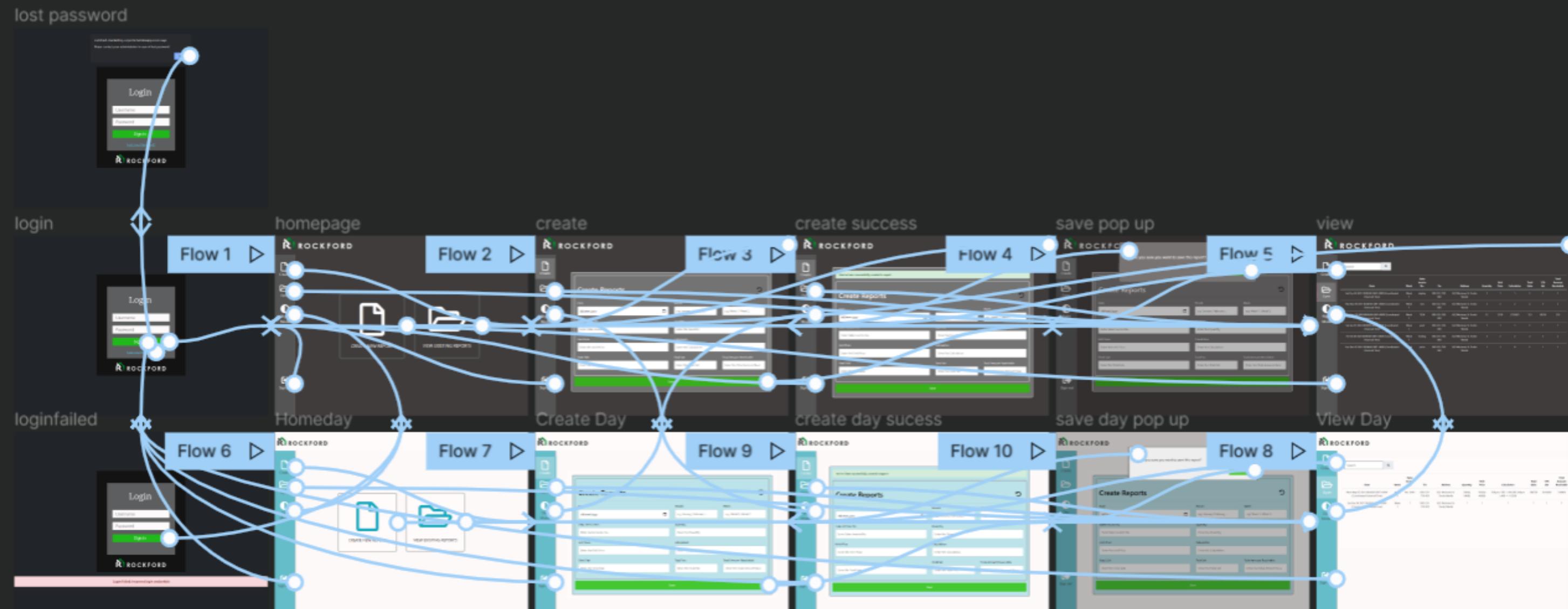


SIGNED APPROVAL



SIGNED MOCK-UP
PROTOTYPE

REQUIREMENTS GATHERING AND ANALYSIS



INTERACTIVE MOCK-UP PROTOTYPE

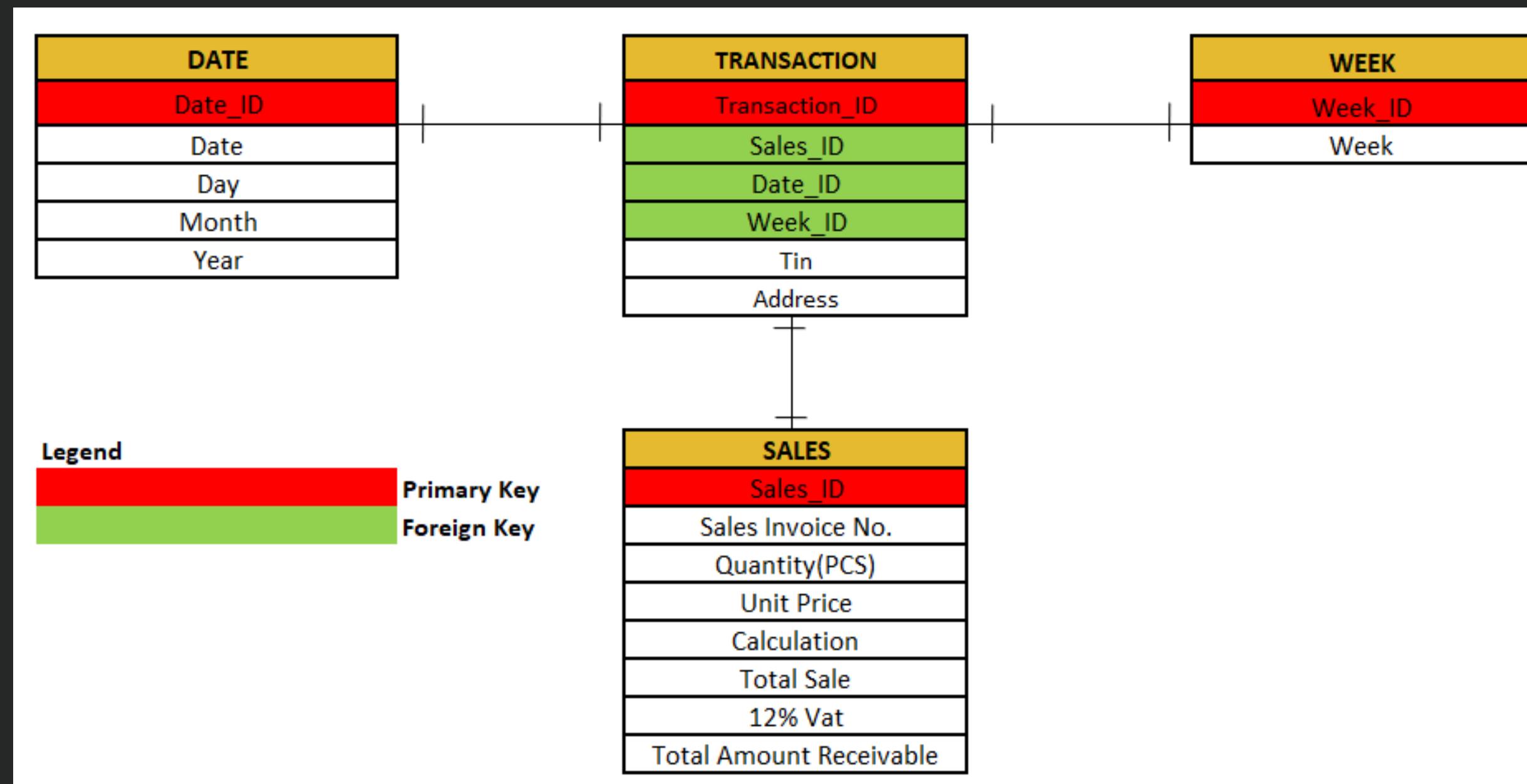
WALKTHROUGH OVER THE MOCK-UP PROTOTYPE

DATABASE DESIGN AND IMPLEMENTATION

```
getWeather = async () => {
  const apiCall = fetch(`${apiBase}q=${this.state.userInputCity}`);
  apiCall.then(res => res.json())
  .then(res => {
    console.log(res);
    let city = res.name;
    let country = res.sys.country;
    let weatherDescription = res.weather[0].main;
    let currentTemp = res.main.temp;
    let maxTemp = res.main.tempMax;
    let minTemp = res.main.tempMin;
    console.log(maxTemp);
    console.log(minTemp);
    this.setState({
      city: city,
      country: country,
      weatherDescription: weatherDescription,
      currentTemp: currentTemp,
      maxTemp: maxTemp,
      minTemp: minTemp
    });
  })
  .catch(error => {
    console.log(error);
  });
}

export default App;
```

ENTITY RELATIONSHIP DIAGRAM



ACTUAL DATABASE IMPLEMENTATION

```
let pool = mysql.createPool({  
  connectionLimit: 100,  
  host: process.env.DB_HOST,  
  user: process.env.DB_USER,  
  port: 3306,  
  password: process.env.DB_PASS,  
  database: process.env.DB_NAME  
});
```

DB_HOST = us-cdbr-east-04.cleardb.com
DB_NAME = heroku_321128323da050f
DB_USER = b474dd0455b69d
DB_PASS = 07883329

DATABASE CONNECTION

ACTUAL DATABASE

Server: us-cdr-east-04.cleardb.com » Database: heroku_321128323da050f » Table: transactions

	Transaction_ID	date	week	Invoice_No	Tin	Address	Quantity	Unit_Price	Calculation	Total_Sale	Total_Vat	Total_Amount_Receivable	
+ Options													
<input type="checkbox"/>	Edit	Copy	Delete 5	2021-05-03 00:00:00	Week 2	No. 2499	000- 622 333- Moriones 730- St. Tondo 000 Manila	300(A) 240(B) 480(B)	565(A) 480(B)	300pcs x 565 = 169,500, 240pcs x 480 = 115,200	284,700	34,164	318,864
<input type="checkbox"/>	Edit	Copy	Delete 25	2021-07-05 00:00:00	Week 2	No. 9452	000- 622 333- Moriones 730- St. Tondo 000 Manila	240(A) 480(B) 200(C)	256(A) 385(B) 339(C)	240pcs x 256 = 61,440, 480pcs x 385 = 184,800, 200...	314,040.00	37,684.80	351,724.80
<input type="checkbox"/>	Edit	Copy	Delete 35	2021-05-20 00:00:00	Week 4	No. 7754	000- 622 333- Moriones 730- St. Tondo 000 Manila	3610	138	3610pcs x 138 = 498,180 498,180	498,180.00	59,781.60	557,961.60
<input type="checkbox"/>	Edit	Copy	Delete 45	2021-06-09 00:00:00	Week 2	No. 2500	000- 622 333- Moriones 730- St. Tondo 000 Manila	500(A) 80(B)	755(A) 358(B)	500pcs x 755 = 377,500, 80pcs x 358 = 28,640	362,625.00	43,515.00	406,140.00
<input type="checkbox"/>	Edit	Copy	Delete 55	2021-06-16 00:00:00	Week 3	No. 0530	000- 622 333- Moriones 730- St. Tondo 000 Manila	7000	51	7000pcs x 51 = 357,000	357,000.00	42,840.00	399,840.00
<input type="checkbox"/>	Edit	Copy	Delete 65	2021-06-21 00:00:00	Week 4	No. 0630	000- 622 333- Moriones 730- St. Tondo 000 Manila	730	276	730pcs x 276 = 201,480	201,480.00	24,177.60	225,657.60
<input type="checkbox"/>	Edit	Copy	Delete 75	2021-06-21 00:00:00	Week 4	No. 0630	000- 622 333- Moriones 730- St. Tondo 000 Manila	730	276	730pcs x 276 = 201,480	201,480.00	24,177.60	225,657.60

DATABASE IMPLEMENTATION: CREATE PAGE

```
exports.create = (req,res) =>{
  console.log(req.body);

  const {date, week, Invoice_No, Quantity, Unit_Price, Calculation, Total_Sale, month, Total_Vat, Total_Amount_Receivable } =
  req.body;

  pool.query('SELECT Invoice_No FROM heroku_321128323da050f.transactions WHERE Invoice_No = ?', [Invoice_No], (error,
  results)=>{
    if(error){
      console.log(error);
    }
  });

  pool.query('INSERT INTO heroku_321128323da050f.transactions SET ?',
  {
    Date: date, Week: week, Invoice_No: Invoice_No , Quantity: Quantity, Unit_Price: Unit_Price, Calculation: Calculation, month:
    month,Total_Sale: Total_Sale,Total_Vat: Total_Vat,Total_Amount_Receivable: Total_Amount_Receivable}, (error,results)=>{
    if(error){
      console.log(error);
    }else{
      return res.render("create",{
        success: "You've have successfully created a report"
      })}})}
```

DATABASE IMPLEMENTATION: CREATE PAGE

Create Reports

Date CALENDAR

Month

Week

Sales Invoice No.

Quantity

Unit Price

Calculation

Total Sale

Total Vat

Total Amount Receivable

Save

DATABASE IMPLEMENTATION: VIEW PAGE

```
exports.view = (req, res) => {
  pool.query('SELECT * FROM heroku_321128323da050f.transactions WHERE status = "Active"', (err, rows) => {
    if (!err) {
      res.render('view', { rows});
    } else {
      console.log(err);
    }
    console.log('The data from transactions table: \n', rows);
  });
}

exports.find = (req, res) => {
  let searchTerm = req.body.search;
  pool.query('SELECT * FROM heroku_321128323da050f.transactions WHERE month LIKE ? OR Week LIKE ?', ['%' + searchTerm + '%', '%' + searchTerm + '%'], (err, rows) => {
    if (!err) {
      res.render('view', { rows });
    } else {
      console.log(err);
    }
    console.log('The data from transactions table: \n', rows);
  });
}
```

DATABASE IMPLEMENTATION: VIEW PAGE

Sales Invoice											
Date	Week	No.	Tin	Address	Quantity	Unit Price	Calculation	Total Sales	12% Vat	Total Amount Receivable	
Mon May 03 2021 00:00:00	Week 2 GMT+0000 (Coordinated Universal Time)	No. 2499	000-333-730-000	622 Moriones St. Tondo Manila	300(A) 240(B)	565(A) 480(B)	300pcs x 565 = 169,500, 240pcs x 480 = 115,200	₱284,700	₱34,164	₱318,864	
Mon Jul 05 2021 00:00:00	Week 2 GMT+0000 (Coordinated Universal Time)	No. 9452	000-333-730-000	622 Moriones St. Tondo Manila	240(A) 480(B) 200(C)	256(A) 385(B) 339(C)	240pcs x 256 = 61,440, 480pcs x 385 = 184,800, 200pcs x 339 = 67,800	₱314,040.00	₱37,684.80	₱351,724.80	
Thu May 20 2021 00:00:00	Week 4 GMT+0000 (Coordinated Universal Time)	No. 7754	000-333-730-000	622 Moriones St. Tondo Manila	3610	138	3610pcs x 138 = 498,180	₱498,180.00	₱59,781.60	₱557,961.60	



Create

Open

Night
Mode

Sign out

GIT REPOSITORY

```
getWeather = async () => {
  const apiCall = fetch(`${apiBase}q=${this.state.userInputCity}`);
  apiCall.then(res => res.json())
  .then(res => {
    console.log(res);
    let city = res.name;
    let country = res.sys.country;
    let weatherDescription = res.weather[0].main;
    let currentTemp = res.main.temp;
    let maxTemp = res.main.temp_max;
    let minTemp = res.main.temp_min;
    console.log(weatherDescription);
    console.log(currentTemp);
    console.log(maxTemp);
    console.log(minTemp);
  })
  .then(() => this.setState({
    city: city,
    country: country,
    weatherDescription: weatherDescription,
    currentTemp: currentTemp,
    maxTemp: maxTemp,
  }));
}

export default App;
```

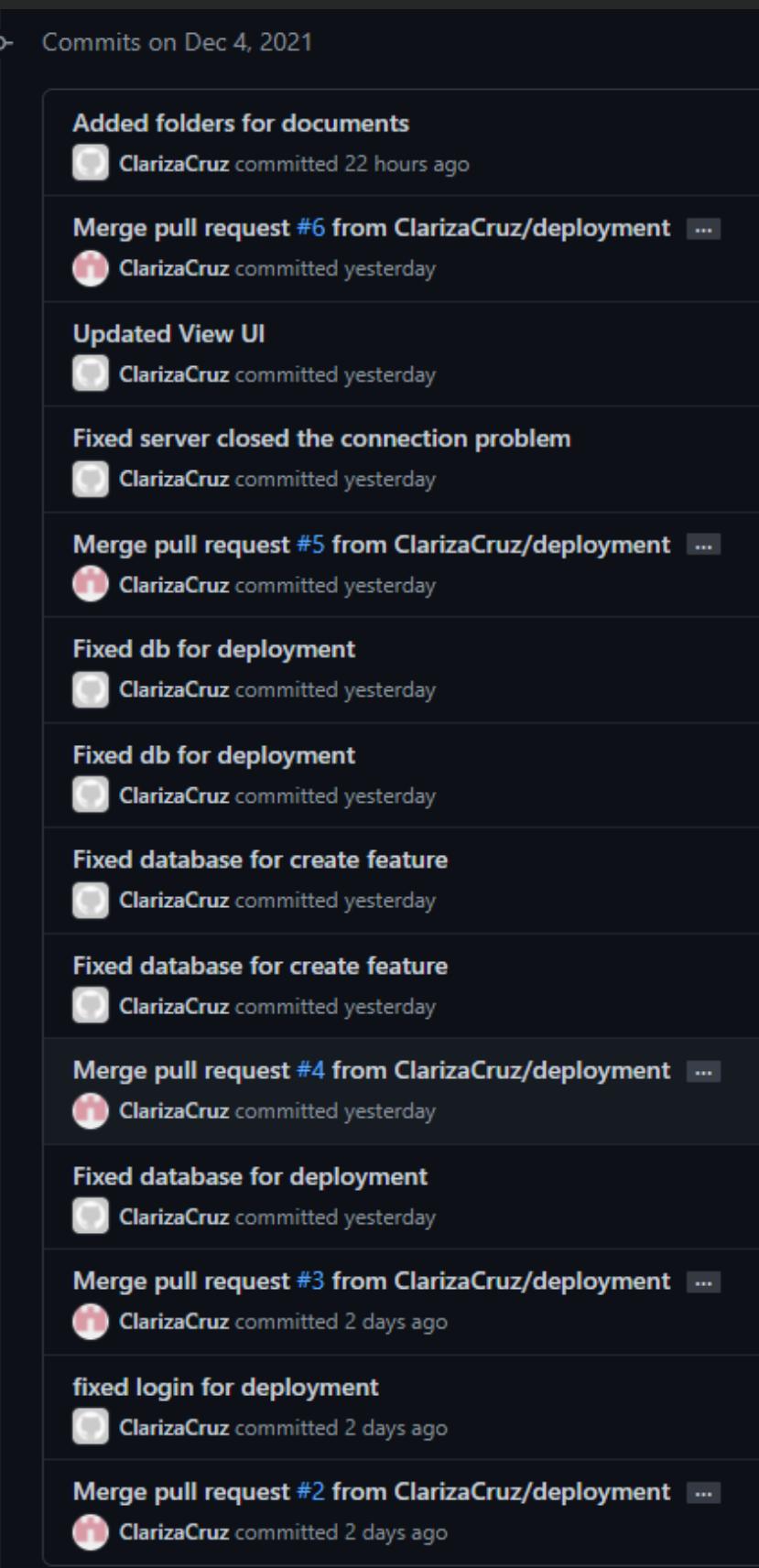
FINAL COMMITS BEFORE DEPLOYMENT

These commits are all about finalizing our web project. This includes minor modifications in the front-end and finishing all of the functions that are needed in our web project.

Commits on Dec 3, 2021	
updated create function	
haansbillones committed 2 days ago	
updated login function	
haansbillones committed 2 days ago	
added logo in title	
karlmarcos committed 2 days ago	
updated search bar for view day mode	
karlmarcos committed 2 days ago	
updated search bar	
karlmarcos committed 2 days ago	
added sign out button for homeday page	
karlmarcos committed 2 days ago	
added sign out button	
karlmarcos committed 2 days ago	
added reset button and sign out button for create day mode	
karlmarcos committed 2 days ago	
added reset button and sign out button	
karlmarcos committed 2 days ago	
updated css for login page	
karlmarcos committed 2 days ago	
Reset button for day mode	
karlmarcos committed 2 days ago	
Reset button	
karlmarcos committed 2 days ago	

FINAL COMMITS DURING DEPLOYMENT

These commits are all about debugging the problems that we have encountered in the deployment phase. The commits that are done during the deployment are mostly codes that will ensure that our web project have a stable connection with our database.



The screenshot shows a GitHub commit history for a repository named 'ClarizaCruz/deployment'. The commits are listed from newest to oldest. The commits are:

- o Commits on Dec 4, 2021
- Added folders for documents (ClarizaCruz committed 22 hours ago)
- Merge pull request #6 from ClarizaCruz/deployment (ClarizaCruz committed yesterday)
- Updated View UI (ClarizaCruz committed yesterday)
- Fixed server closed the connection problem (ClarizaCruz committed yesterday)
- Merge pull request #5 from ClarizaCruz/deployment (ClarizaCruz committed yesterday)
- Fixed db for deployment (ClarizaCruz committed yesterday)
- Fixed db for deployment (ClarizaCruz committed yesterday)
- Fixed database for create feature (ClarizaCruz committed yesterday)
- Fixed database for create feature (ClarizaCruz committed yesterday)
- Merge pull request #4 from ClarizaCruz/deployment (ClarizaCruz committed yesterday)
- Fixed database for deployment (ClarizaCruz committed yesterday)
- Merge pull request #3 from ClarizaCruz/deployment (ClarizaCruz committed 2 days ago)
- fixed login for deployment (ClarizaCruz committed 2 days ago)
- Merge pull request #2 from ClarizaCruz/deployment (ClarizaCruz committed 2 days ago)

FINAL COMMITS AFTER DEPLOYMENT

These commits are all about fixing some minor problems that we have encountered while testing our web project and this is also where we uploaded the documents that are required in building this project like our signed mock-up prototype and signed approval.

Commits on Dec 5, 2021	
Merge pull request #9 from ClarizaCruz/DocumentsMarc	...
 ClarizaCruz committed 7 hours ago	
Documents	
 Marcclarenz committed 7 hours ago	
Delete MOCK-UP-PROTOTYPE-Signed (1).pdf	
 Marcclarenz committed 7 hours ago	
Initial Mock Up Prototype	
 Marcclarenz committed 7 hours ago	
Merge pull request #8 from ClarizaCruz/deployment	...
 ClarizaCruz committed 18 hours ago	
Updated create page for deployment	
 ClarizaCruz committed 18 hours ago	
Merge pull request #7 from ClarizaCruz/deployment	...
 ClarizaCruz committed 21 hours ago	
Modified display for view page	
 ClarizaCruz committed 21 hours ago	
Modified display for view page	
 ClarizaCruz committed 21 hours ago	
Modified display for view page	
 ClarizaCruz committed 21 hours ago	
Modified display for view page	
 ClarizaCruz committed 21 hours ago	
Modified display for view page	
 ClarizaCruz committed 21 hours ago	
Modified display for view page	
 ClarizaCruz committed 21 hours ago	

DEPLOYED WEB PROJECT

WALKTHROUGH

```
getWeather = async () => {
  const apiCall = fetch(`${apiBase}q=${this.state.userInputCity}`);
  apiCall.then(res => res.json())
  .then(res => {
    console.log(res);
    let city = res.name;
    let country = res.sys.country;
    let weatherDescription = res.weather[0].main;
    let mainTemp = res.main.temp;
    let minTemp = res.main.temp_min;
    let maxTemp = res.main.temp_max;
    let currentTemp = res.main.temp;
    let feelsLikeTemp = res.main.feels_like;
    let windSpeed = res.wind.speed;
    let humidity = res.main.humidity;
    let pressure = res.main.pressure;
    let clouds = res.clouds.all;
    let visibility = res.visibility;
    let sunrise = res.sys.sunrise;
    let sunset = res.sys.sunset;
    let timezone = res.timezone;
    let id = res.id;
    let name = res.name;
    let cod = res.cod;
    const weatherData = {
      city,
      country,
      weatherDescription,
      mainTemp,
      minTemp,
      maxTemp,
      currentTemp,
      feelsLikeTemp,
      windSpeed,
      humidity,
      pressure,
      clouds,
      visibility,
      sunrise,
      sunset,
      timezone,
      id,
      name,
      cod
    };
    this.setState({
      city: city,
      country: country,
      weatherDescription: weatherDescription,
      currentTemp: currentTemp,
      ...weatherData
    });
  })
  .catch(error => {
    console.error(error);
  });
};
```

SUMMARIZED CONTRIBUTION

```
getWeather = async () => {
  const apiCall = fetch(`${apiBase}q=${this.state.userInputCity}`);
  apiCall.then(res => res.json())
  .then(res => {
    console.log(res);
    let city = res.name;
    let country = res.sys.country;
    let weatherDescription = res.weather[0].main;
    let currentTemp = res.main.temp;
    let maxTemp = res.main.temp_max;
    let minTemp = res.main.temp_min;
    console.log(maxTemp);
    console.log(minTemp);
  })
  .then(() => this.setState({
    city: city,
    country: country,
    weatherDescription: weatherDescription,
    currentTemp: currentTemp,
    maxTemp: maxTemp,
  }));
}

export default App;
```



**MARC CLARENZ
TAN**

Requirements Analyst

CONTRIBUTIONS

REQUIRED DOCUMENTS

Created the approval form in order for us to acquire the signed approval that will be needed for us to start the implementation process.

MOCK-UP PROTOTYPE

Adjusted the mock-up prototype based on the additional requirements provided by the client.

CONTRIBUTIONS

DATA ARRANGEMENT

Arranged the data given by the client

ENTITY RELATIONSHIP DIAGRAM

Created an ERD

**RHOVIC
CABUGAO**

Database Developer



CONTRIBUTIONS

IMPLEMENTATION

Implemented the approved mock-up prototype into an actual code.

MODIFICATIONS

Adjusted some of the UI according to the changes that are happening in the mock-up prototype.

**KARL GABRIELLE
MARCOS**

Front-End Programmer



HANS ROY BILLONES

Back-End Programmer

CONTRIBUTIONS

FUNCTIONALITIES

Plotted where the back-end programming will take place in the web pages and implemented the functions that will make the web application work.

CONNECTION

Created a connection between the web pages and the database.



CLARIZA MARIE
CRUZ
Project Manager

CONTRIBUTIONS

INSTRUCT

Instructed the team members to do tasks according to their role, which will help in accomplishing our project.

DEPLOY

Deployed the created application in Heroku.

DEBUG

Fixed the problems that are encountered during the deployment phase.

GROUP 4 - 3 | SA

THANK YOU!

FOR LISTENING