Efolio Week 9 & Week 10

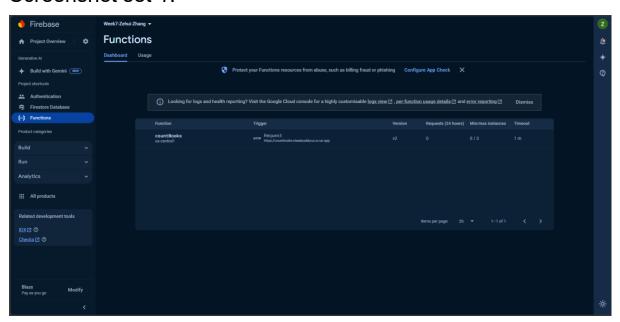
Zehui Zhang

34103600

Efolio week 9

Task 9.1

Screenshot set 1:





The index.js file in the functions folder:

```
const capitalizedTitle = title.toUpperCase()
const capitalizedAuthor = author.toUpperCase()

await db.collection('books').add({
    title: capitalizedTitle,
    author: capitalizedAuthor
}

res.status(200).send('Book added successfully')

catch (error) {
    console.error('Error adding book:', error.message)
    res.status(500).send('Error adding book')
}

// Adding the first title = title.toUpperCase()

author: toUpperCase()

title: capitalizedAuthor

pres.status(200).send('Book added successfully')

catch (error) {
    console.error('Error adding book:', error.message)
    res.status(500).send('Error adding book')

}

// Adding the first title = title.toUpperCase()

author: toUpperCase()

author:
```

GetBookCountView.vue:

```
32 }
33 }
34 </script>
35
```

Open the function URL:

Task 9.2

Screenshot set 1:



The index.js file in the functions folder:

```
const capitalizedTitle = title.toUpperCase()
const capitalizedAuthor = author.toUpperCase()

await db.collection('books').add({
    title: capitalizedTitle,
    author: capitalizedAuthor
}

res.status(200).send('Book added successfully')

catch (error) {
    console.error('Error adding book:', error.message)
    res.status(500).send('Error adding book')

}

43
    }

44
    }

45
  })
```

AddBookView.vue:

```
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                                                         JS index.is functions 9+

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                                          [] F U ☐ src > views > V AddBookView.vue > {} script > Ø default > Ø methods > ⊕ addBook > Ø response
> .vscode
                                                                  <div id="app">
  <h1>Add a New Book</h1>
                                                                     <form @submit.prevent="addBook">
 eslintrc.js
                                                                        gitignore
 {} package-lock.ison
 {} package.json
                                                                        <label for="author">Author:</label>
<input type="text" v-model="author" id="author" required />
 > node_modules
 > public
                                                                       <button type="submit">Add Book</button>
 > assets
                                                                    </form>
{{ message }}
Error: {{ error }}

✓ Firebase

                                                                   xport d
data() {
   return {

▼ AddBookView.vue

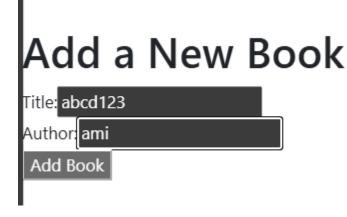
                                                                    return {
  title: '',
  author: '',
  message: null,
  error: null

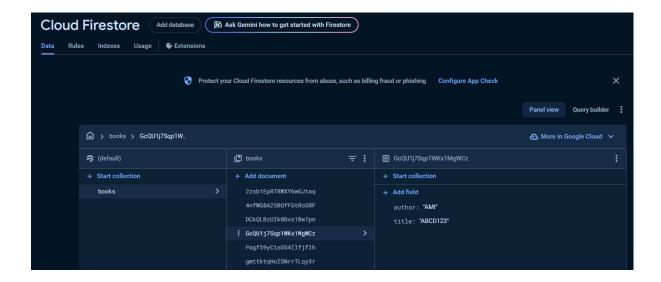
▼ GetBookCountView.vue

  ▼ App.vue
```

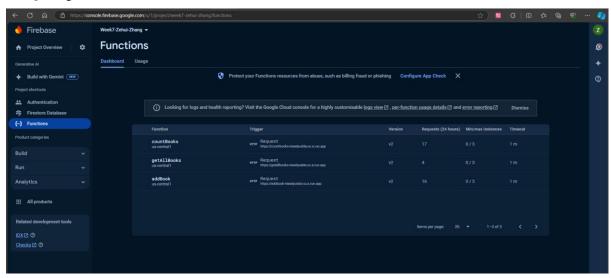
```
30
31
32  methods: {
33   async addBook() {
34   try {
35       const response = await axios.post('https://addbook-niaadyuddq-uc.a.run.app', {
36       title: this.title,
37       author: this.author
38       })
39       this.message = response.data
40       this.error = null
41       this.title = ''
42       this.author = ''
43       } catch (error) {
44       console.error('Error adding book:', error)
45       this.error = 'Error adding book.'
46       this.message = null
47       }
48      }
49    }
50  }
51  </script>
52
```

Data stored in the database after uppercase conversion:

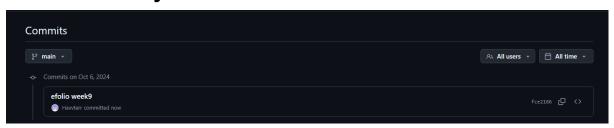




Deployed function:



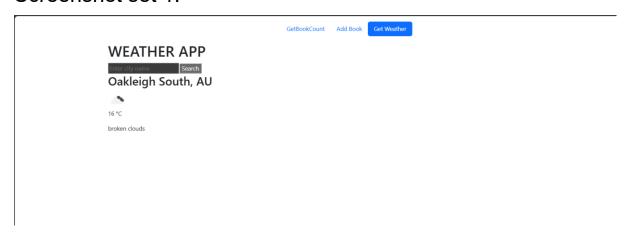
Commit History:



Efolio week 10

Task 10.1

Screenshot set 1:



WeatherView.vue:

```
▼ WeatherView.vue × ▼ CountBookAPI.vue ▼ App.vue 1 ▼ GetBookCountView.vue J5 index.js
  EXPLORER
Ф

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                                       > .vscode
> functions
   > node_modules
> public
    > assets
> components
    > icons

W BHeader.vue
                                          ∨ router
                                            ✓ views

▼ AddBookView.vue
     ▼ CountBookAPI.vue▼ GetBookCountView.vue
    {} .prettierrc.json
```

```
name: 'App',
data() {
    return {
        city: '',
        weatherData: null,
        hourlyForecast: [],
        dailyForecast: []
}

//computed is a property that is used to define a property that

//is dependent on other data properties.

//If we using a more easy to understand words to understand the concept:

//the derived value such as temperature automatically update when the relevant value change.

computed: {

//There are multiple way to obtain the data in Celsius format.

//Calculation by yourself like below after data is retireved or via API parameters

//Follow link (ctrl + click) | itional units requirement, if you choose this, remember to change section 3.1

//https://api.openweathermap.org/data/2.5/weather?lat=XXXXilon=-XXX.15&appid={API key}&units=metric temperature() {
    return this.weatherData ? Math.floor(this.weatherData.main.temp - 273) : null
},

//Get the current weather icon using the API link
iconUrl() {
    return this.weatherData
    ? http://api.openweathermap.org/img/w/${this.weatherData.weather[0].icon}.png`
    : null
```

```
async searchByCity() {
    const url = `http://api.openweathermap.org/data/2.5/weather?q=${this.city}&appid=${apikey}&units=metric`
    await this.fetchWeatherData(url) {
    try {
        const response = await axios.get(url)
        //Returned data from API is stored as JSON file in weatherData
        this.weatherData = response.data
    } catch (error) {
        console.error('Error fetching weather data:', error)
    }
}

// console.error('Error fetching weather data:', error)
// console.error('Error fetching weather d
```

Screenshot set 2:

```
← ♂ ♠ ① localhost:5173/CountBookAPI

{
"count": 10
}
```

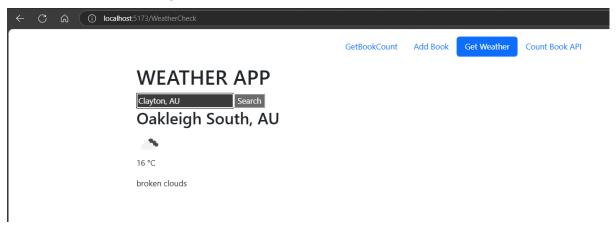
CountBookAPI.vue:

App.vue:

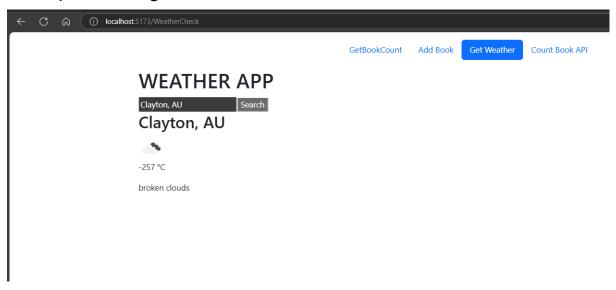
Task 10.2

Screenshot set 1:

Before performing the search:



After performing the search:



WeatherView.vue:

```
name: 'App',
data() {
    return {
        city: '',
        weatherData: null,
        hourlyForecast: [],
        dallyForecast: [],
        dallyForecast: []
}

//computed is a property that is used to define a property that
//is dependent on other data properties.
//if we using a more easy to understand words to understand the concept:
//the derived value such as temperature automatically update when the relevant value change.

computed: {

//There are multiple way to obtain the data in Celsius format.
//calculation by yourself like below after data is retireved or via API parameters

//Example of adding additional units requirement, if you choose this, remember to change section 3.1
//https://api.openweathermap.org/data/2.5/weather?lat=XXXX&lon=-XXX.15&appid={API key}&units=metric temperature() {
        return this.weatherData ? Math.floor(this.weatherData.main.temp - 273) : null
},
//Get the current weather icon using the API link
iconUrl() {
        return this.weatherData
        ? `http://api.openweathermap.org/img/w/$(this.weatherData.weather[0].icon).png`
        : null
```

Screenshot set 2:

```
GetBookCount Add Book Get Weather Count Book API

All Books

{
    "title": "ABC",
    "author": "ALSD"
}

{
    "title": "ASDA,
    "author": "A"
}

{
    "title": "ASOO;
    "author": "I"
}

{
    "title": "ASOO;
    "author": "AIT
}

{
    "title": "ASOO;
    "author": "I"
}

{
    "title": "ASOO;
    "author": "I"
}

{
    "title": "ASOOI]
    "author": "I"
}

{
    "title": "ASOOII]
    "author": "I"
}

{
    "title": "ASOOII]
    "author": "CXZ"
}

}
```

The index.js file in the functions folder:

```
const capitalizedTitle = title.toUpperCase()
           const capitalizedAuthor = author.toUpperCase()
           await db.collection('books').add({
           title: capitalizedTitle,
            author: capitalizedAuthor
           res.status(200).send('Book added successfully')
           console.error('Error adding book:', error.message)
           res.status(500).send('Error adding book')
46
     exports.getAllBooks = onRequest((req, res) => {
       cors(req, res, async () => {
          const booksCollection = db.collection('books')
          const snapshot = await booksCollection.get()
           const books = snapshot.docs.map((doc) => doc.data())
          res.status(200).json(books)
         } catch (error) {
           console.error('Error fetching books:', error.message)
           res.status(500).send('Error fetching books')
```

```
58 | })
59 })
60
```

App.vue:

Commit History:

