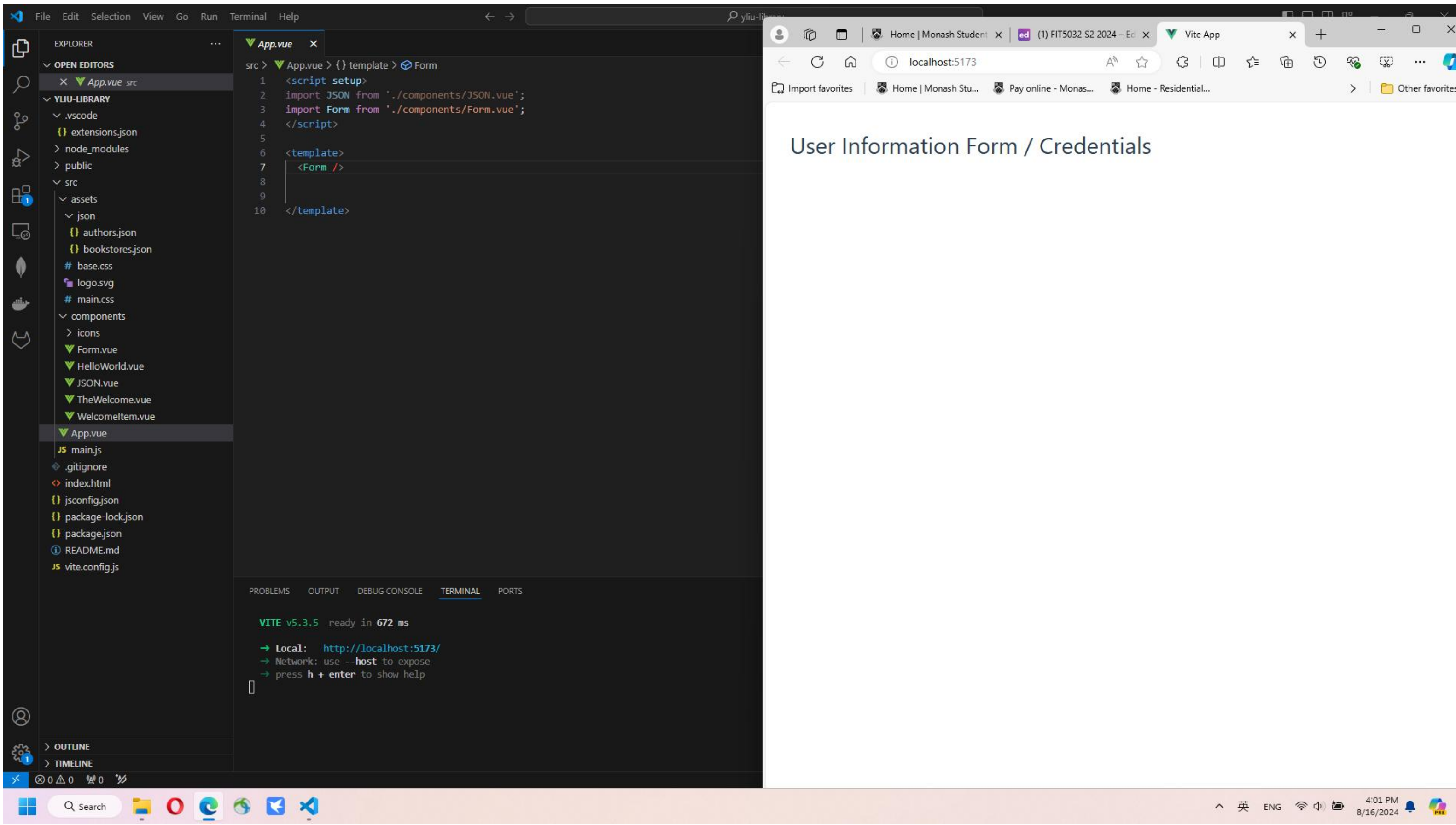
Yijiang Liu

33983887

Week3

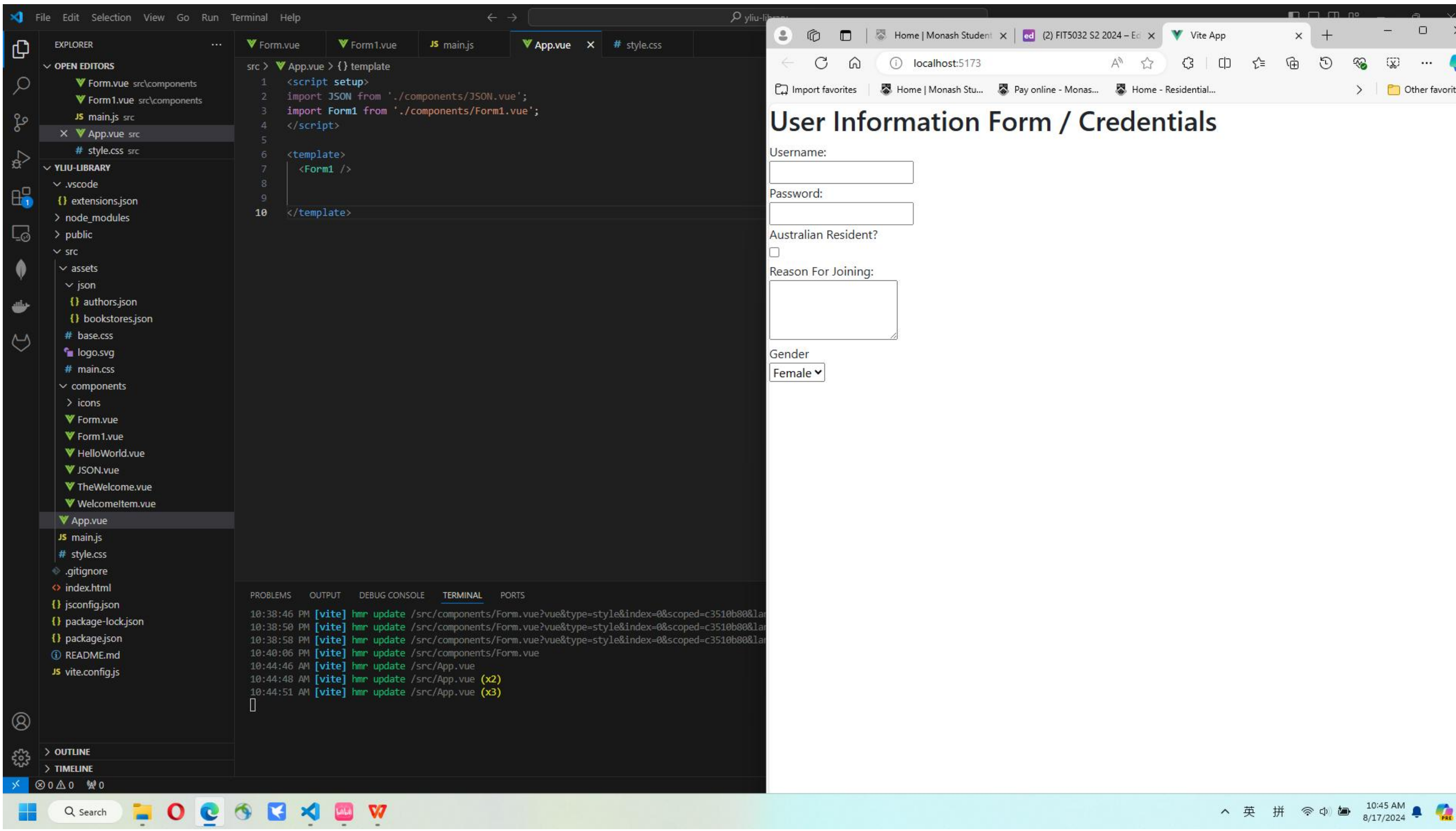


```
<script setup>
import JSON from './components/JSON.vue';
import Form from './components/Form.vue';
</script>

<template>
  <Form />


</template>
```

```
VITE v5.3.5  ready in 672 ms

➜  Local:   http://localhost:5173/
➜  Network: use --host to expose
➜  press h + enter to show help
```

User Information Form / Credentials

Here I forget to capture the results so the step 2-4 are redone



src > App.vue > {} template

```
<script setup>
import JSON from './components/JSON.vue';
import Form1 from './components/Form1.vue';
</script>

<template>
  <Form1 />


</template>
```

```
10:38:46 PM [vite] hmr update /src/components/Form.vue?vue&type=style&index=0&scoped=c3510b80&la
10:38:50 PM [vite] hmr update /src/components/Form.vue?vue&type=style&index=0&scoped=c3510b80&la
10:38:58 PM [vite] hmr update /src/components/Form.vue?vue&type=style&index=0&scoped=c3510b80&la
10:40:06 PM [vite] hmr update /src/components/Form.vue
10:44:46 AM [vite] hmr update /src/App.vue
10:44:48 AM [vite] hmr update /src/App.vue (x2)
10:44:51 AM [vite] hmr update /src/App.vue (x3)
```

localhost:5173

User Information Form / Credentials

Username:

Password:

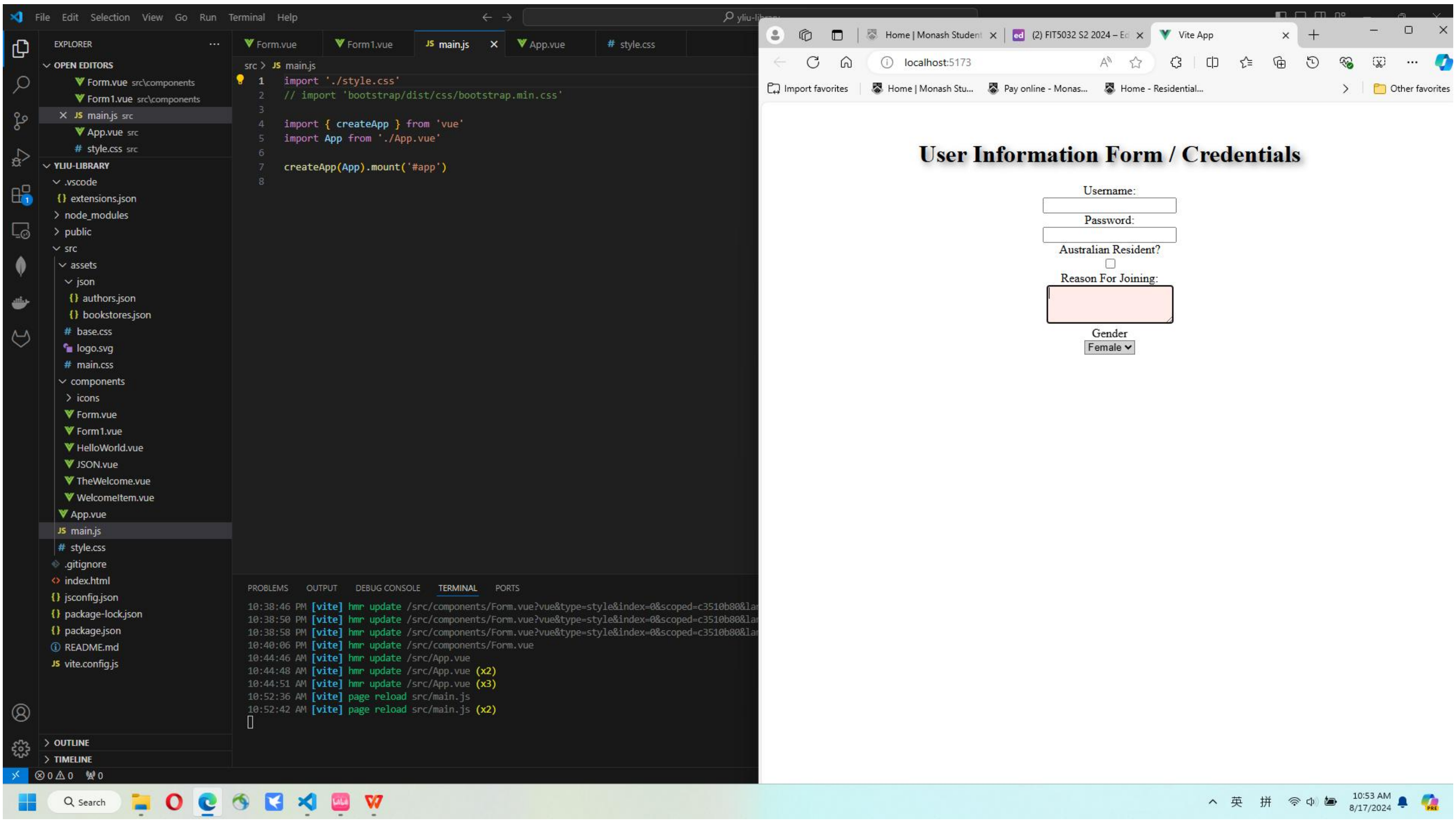
Australian Resident?

☐

Reason For Joining:

Gender

Female



src > main.js

```
import './style.css'
// import 'bootstrap/dist/css/bootstrap.min.css'

import { createApp } from 'vue'
import App from './App.vue'

createApp(App).mount('#app')
```

```
10:38:46 PM [vite] hmr update /src/components/Form.vue?vue&type=style&index=0&scoped=c3510b80&la
10:38:50 PM [vite] hmr update /src/components/Form.vue?vue&type=style&index=0&scoped=c3510b80&la
10:38:58 PM [vite] hmr update /src/components/Form.vue?vue&type=style&index=0&scoped=c3510b80&la
10:40:06 PM [vite] hmr update /src/components/Form.vue
10:44:46 AM [vite] hmr update /src/App.vue
10:44:48 AM [vite] hmr update /src/App.vue (x2)
10:44:51 AM [vite] hmr update /src/App.vue (x3)
10:52:36 AM [vite] page reload src/main.js
10:52:42 AM [vite] page reload src/main.js (x2)
```

localhost:5173

User Information Form / Credentials

Username:

Password:

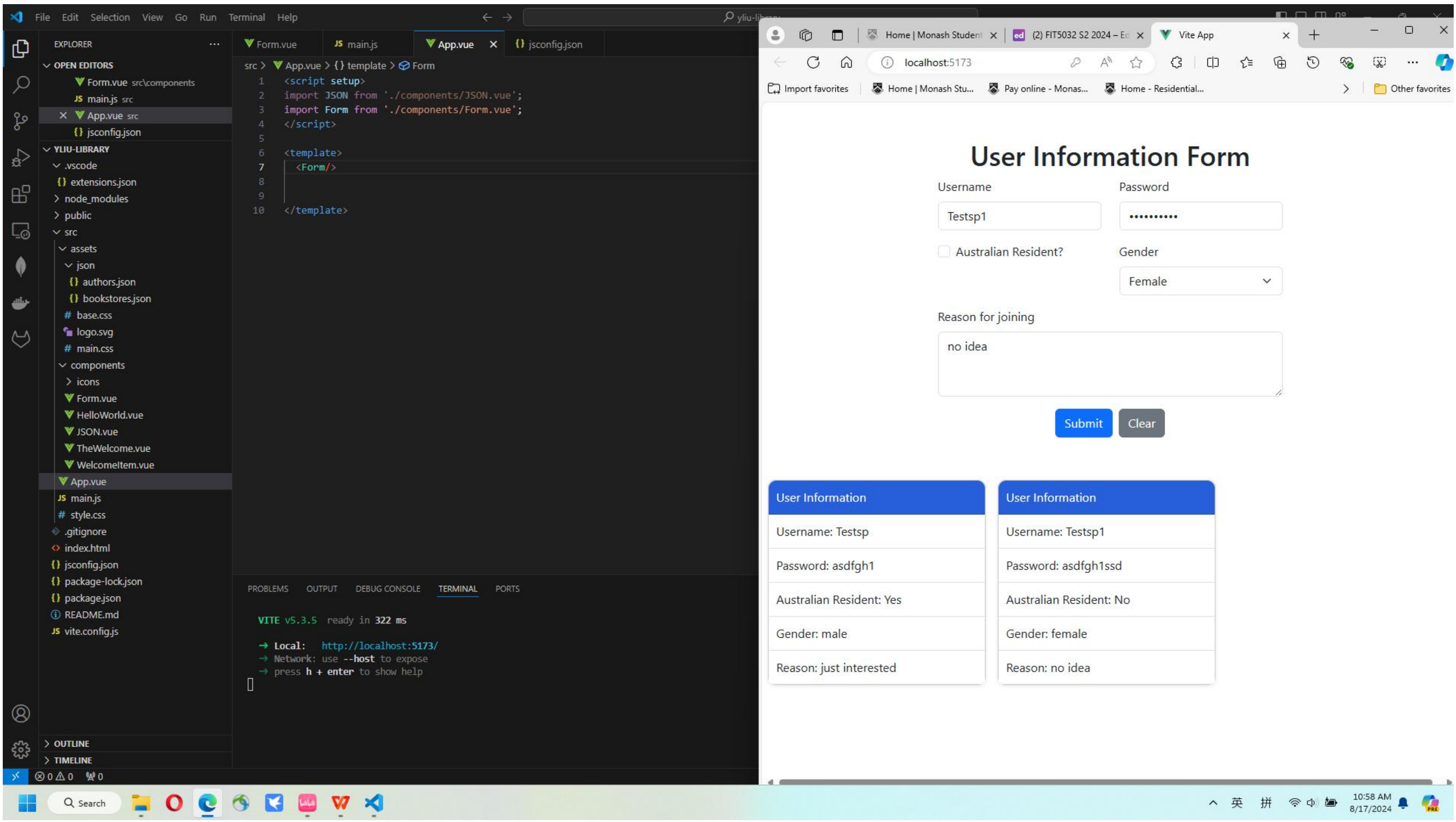
Australian Resident?

☐

Reason For Joining:

Gender

Female



```
<script setup>
import JSON from './components/JSON.vue';
import Form from './components/Form.vue';
</script>

<template>
  <Form/>


</template>
```

```
VITE v5.3.5  ready in 322 ms

➜  Local:   http://localhost:5173/
➜  Network: use --host to expose
➜  press h + enter to show help
```

User Information Form

Username	Password
Testsp1	••••••••••
□ Australian Resident?	Gender
	Female

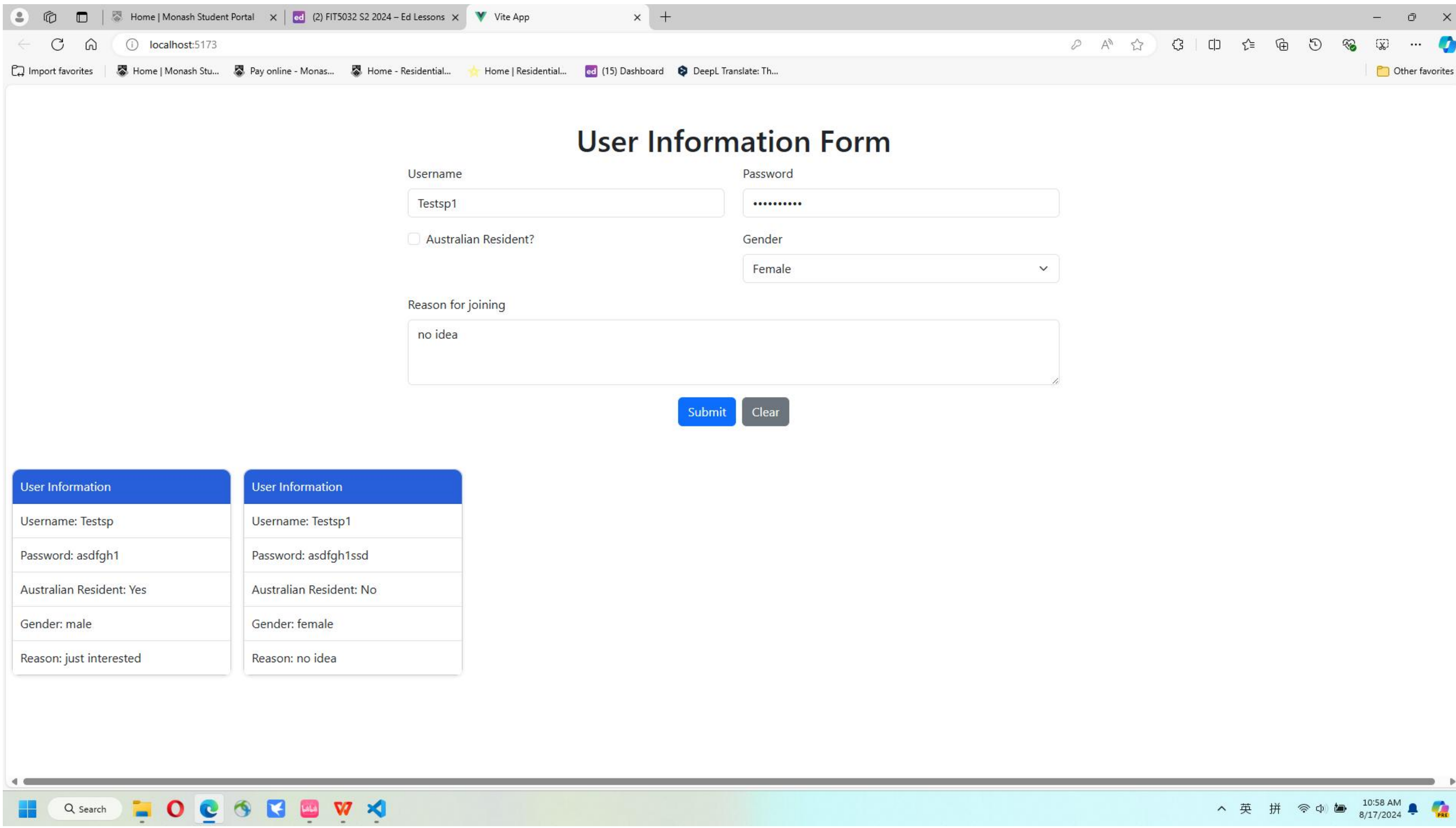
Reason for joining

no idea

Submit Clear

User Information
Username: Testsp
Password: asdfgh1
Australian Resident: Yes
Gender: male
Reason: just interested

User Information
Username: Testsp1
Password: asdfgh1ssd
Australian Resident: No
Gender: female
Reason: no idea



User Information Form

Username	Password
Testsp1	••••••••••
□ Australian Resident?	Gender
	Female

Reason for joining

no idea

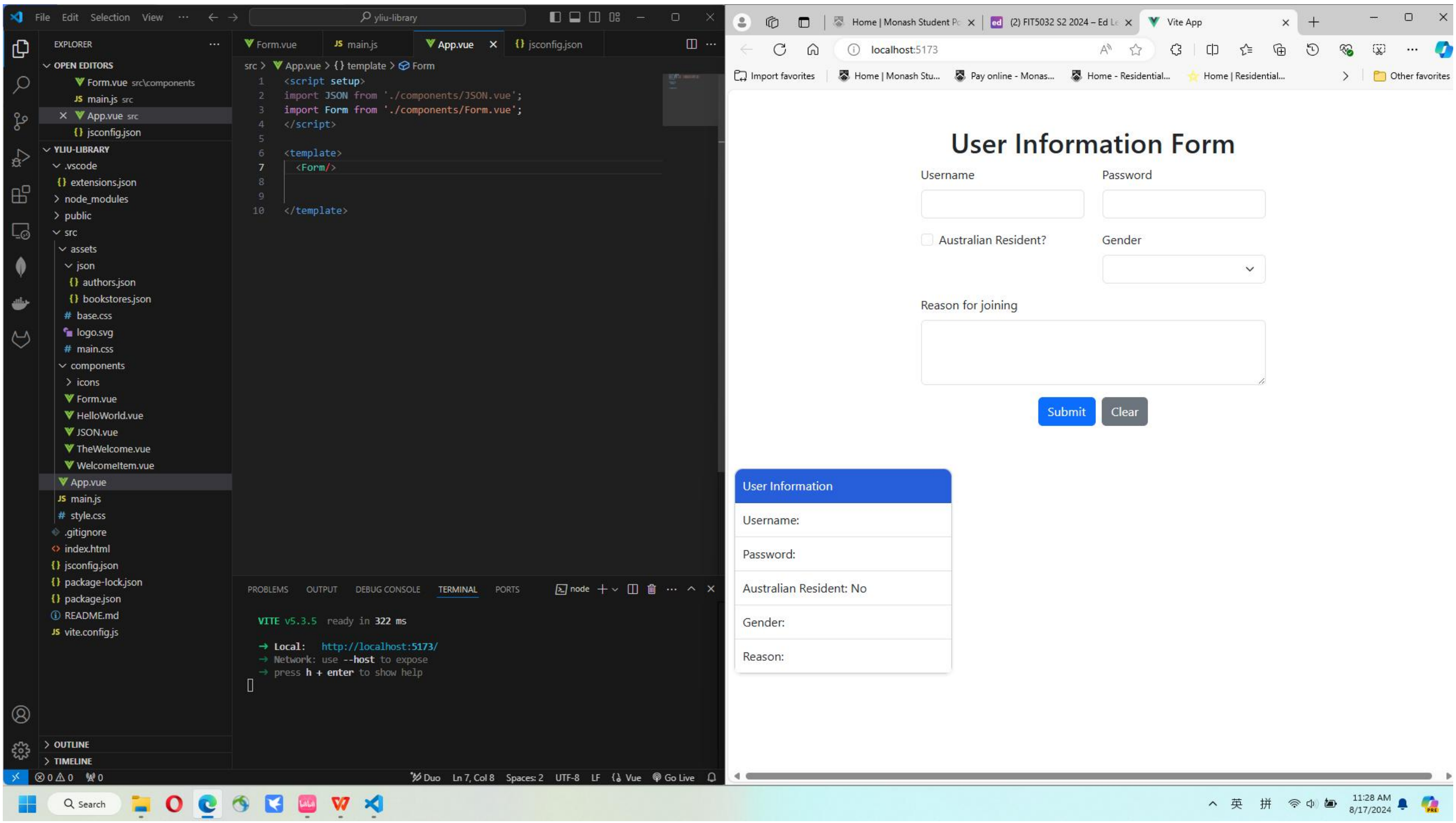
Submit Clear

User Information
Username: Testsp
Password: asdfgh1
Australian Resident: Yes
Gender: male
Reason: just interested

User Information
Username: Testsp1
Password: asdfgh1ssd
Australian Resident: No
Gender: female
Reason: no idea

Week4

Activity1



```
<script setup>
import JSON from './components/JSON.vue';
import Form from './components/Form.vue';
</script>

<template>
  <Form/>


</template>
```

```
VITE v5.3.5  ready in 322 ms

➜  Local:   http://localhost:5173/
➜  Network: use --host to expose
➜  press h + enter to show help
```

User Information Form

Username

Password

□ Australian Resident?

Gender

Reason for joining

Submit Clear

User Information

Username:

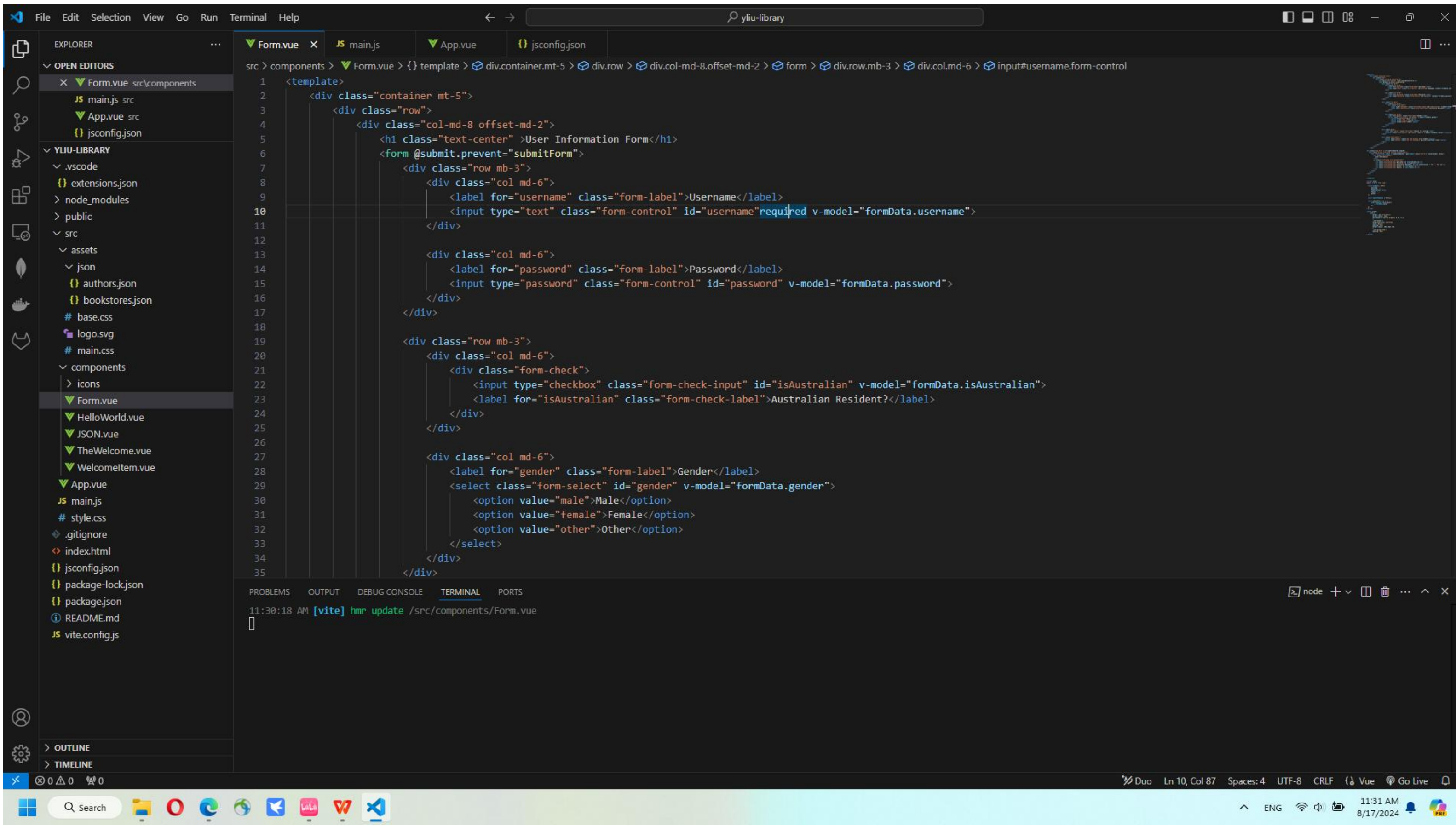
Password:

Australian Resident: No

Gender:

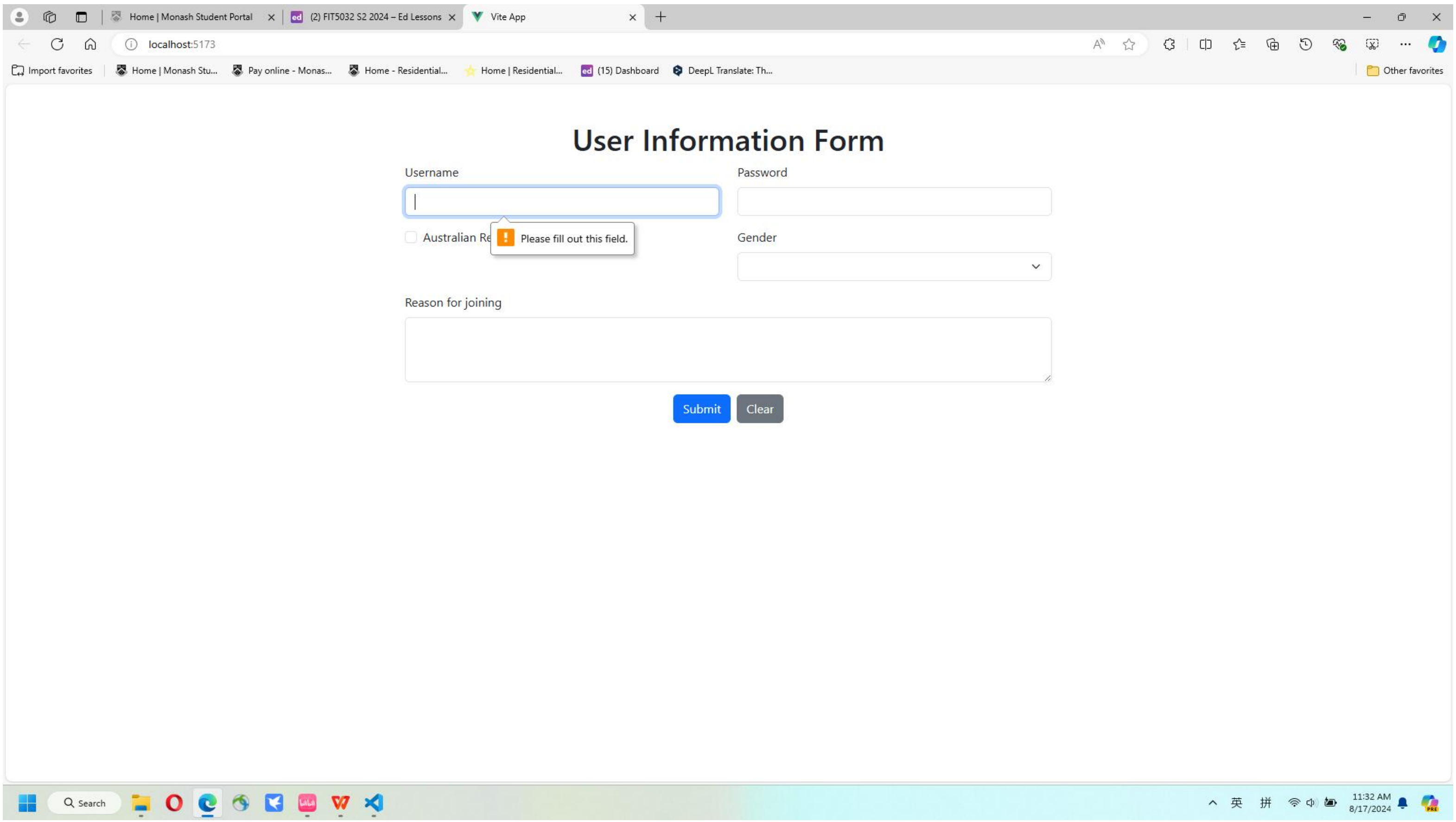
Reason:

Activity2



```
<template>
    <div class="container mt-5">
        <div class="row">
            <div class="col-md-8 offset-md-2">
                <h1 class="text-center" >User Information Form</h1>
                <form @submit.prevent="submitForm">
                    <div class="row mb-3">
                        <div class="col md-6">
                            <label for="username" class="form-label">Username</label>
                            <input type="text" class="form-control" id="username"required v-model="formData.username">
                        </div>

                        <div class="col md-6">
                            <label for="password" class="form-label">Password</label>
                            <input type="password" class="form-control" id="password" v-model="formData.password">
                        </div>
                    </div>

                    <div class="row mb-3">
                        <div class="col md-6">
                            <div class="form-check">
                                <input type="checkbox" class="form-check-input" id="isAustralian" v-model="formData.isAustralian">
                                <label for="isAustralian" class="form-check-label">Australian Resident?</label>
                            </div>
                        </div>

                        <div class="col md-6">
                            <label for="gender" class="form-label">Gender</label>
                            <select class="form-select" id="gender" v-model="formData.gender">
                                <option value="male">Male</option>
                                <option value="female">Female</option>
                                <option value="other">Other</option>
                            </select>
                        </div>
                    </div>
```

```
11:30:18 AM [vite] hmr update /src/components/Form.vue
```



User Information Form

Username

Password

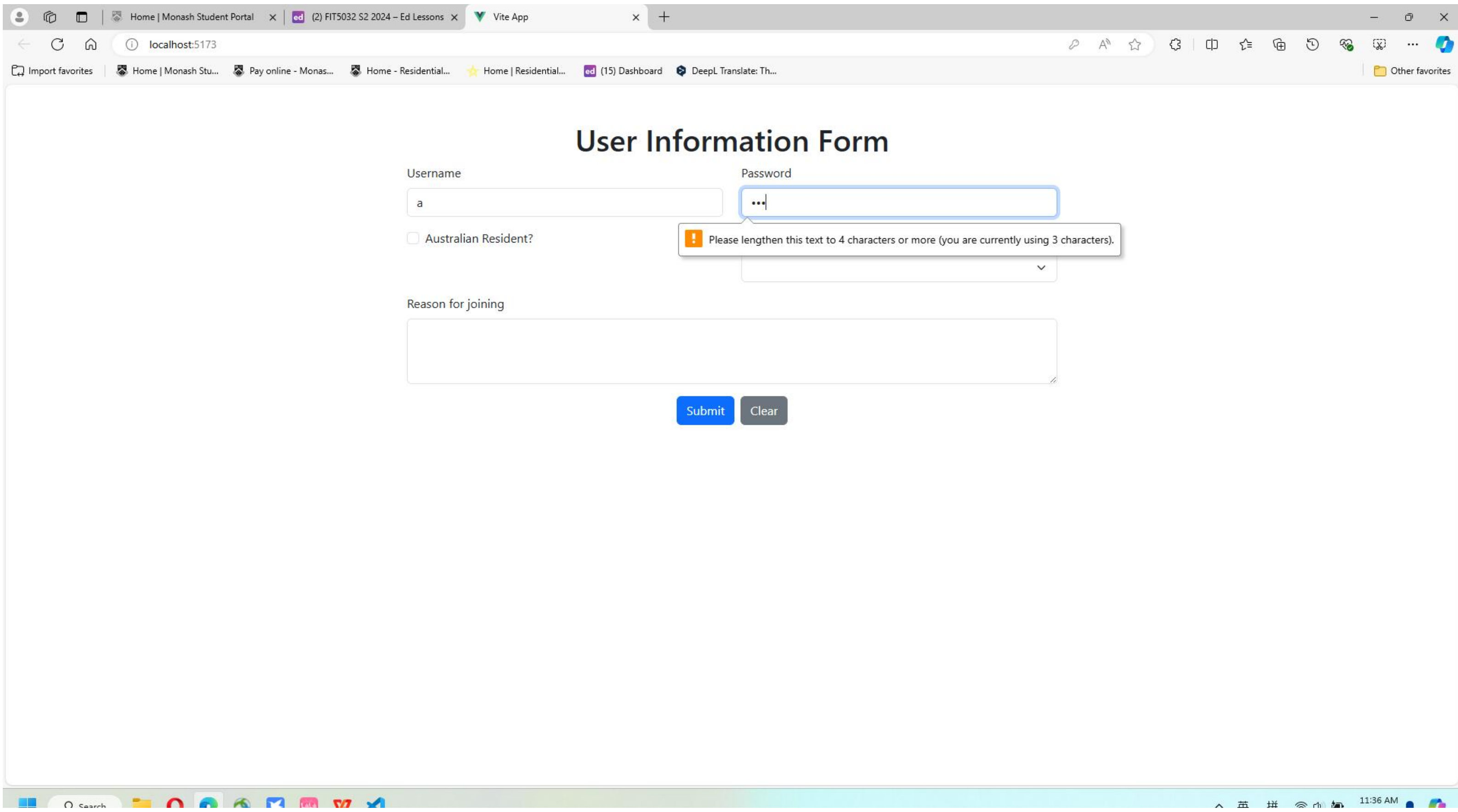
□ Australian Re

Please fill out this field.

Gender

Reason for joining

Submit Clear



User Information Form

Username

a

Password

•••

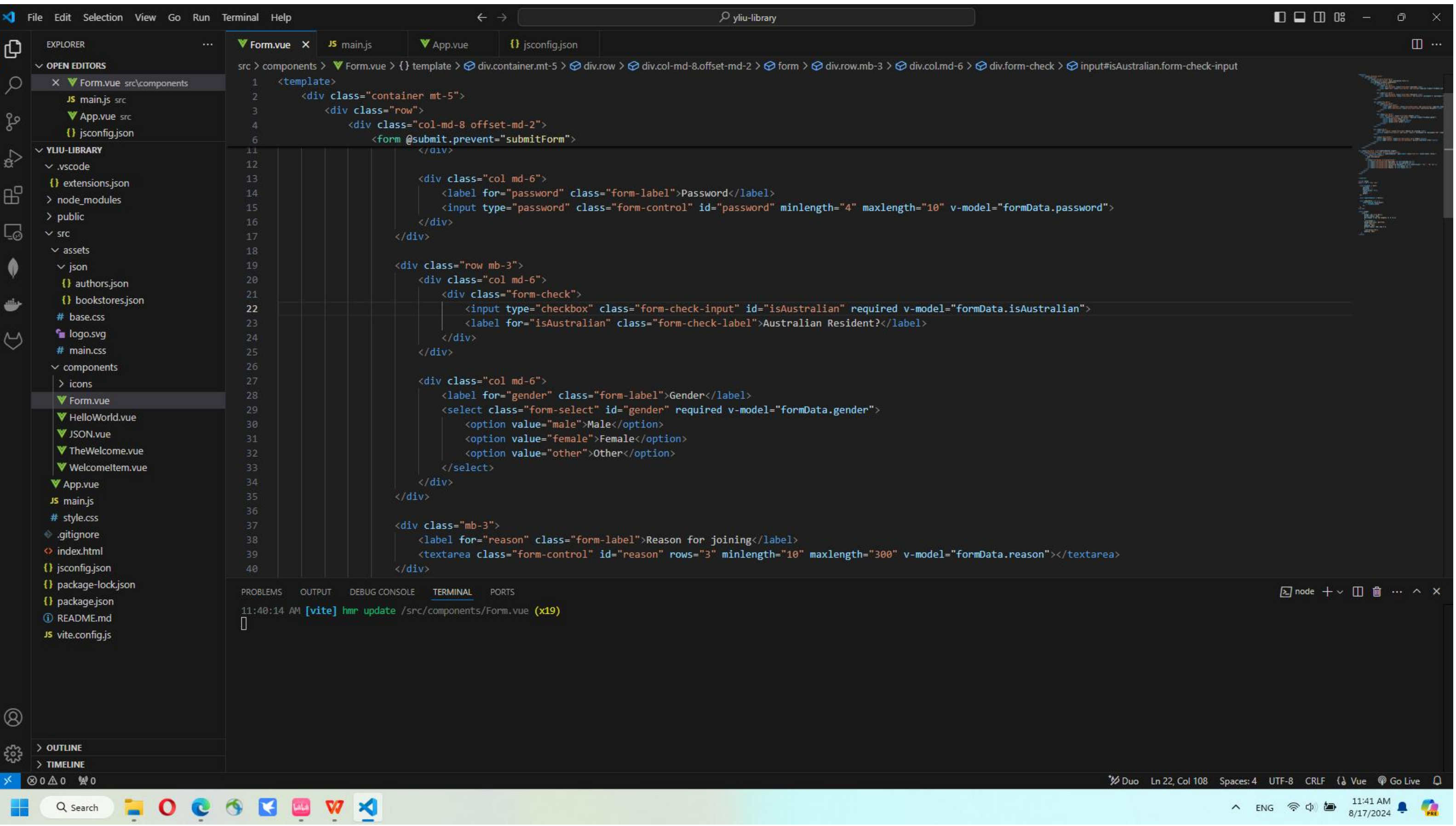
□ Australian Resident?

Please lengthen this text to 4 characters or more (you are currently using 3 characters).

Reason for joining

Submit Clear

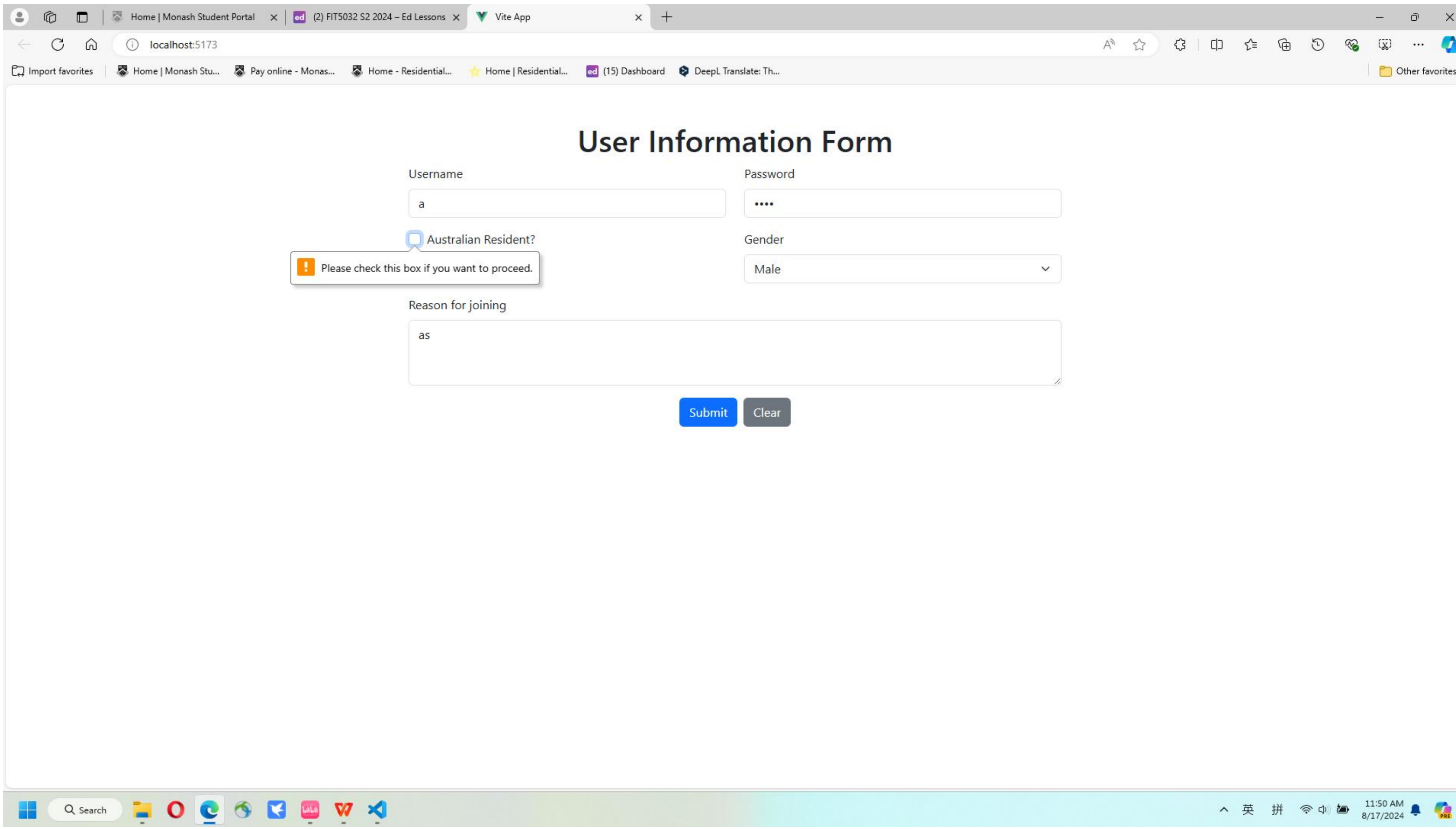
add validations to the rest of the input fields



```
<template>
    <div class="container mt-5">
        <div class="row">
            <div class="col-md-8 offset-md-2">
                <form @submit.prevent="submitForm">
                        </div>

                        <div class="col md-6">
                            <label for="password" class="form-label">Password</label>
                            <input type="password" class="form-control" id="password" minlength="4" maxlength="10" v-model="formData.password">
                        </div>
                    </div>

                    <div class="row mb-3">
                        <div class="col md-6">
                            <div class="form-check">
                                <input type="checkbox" class="form-check-input" id="isAustralian" required v-model="formData.isAustralian">
                                <label for="isAustralian" class="form-check-label">Australian Resident?</label>
                            </div>
                        </div>

                        <div class="col md-6">
                            <label for="gender" class="form-label">Gender</label>
                            <select class="form-select" id="gender" required v-model="formData.gender">
                                <option value="male">Male</option>
                                <option value="female">Female</option>
                                <option value="other">Other</option>
                            </select>
                        </div>
                    </div>

                    <div class="mb-3">
                        <label for="reason" class="form-label">Reason for joining</label>
                        <textarea class="form-control" id="reason" rows="3" minlength="10" maxlength="300" v-model="formData.reason"></textarea>
                    </div>
```

```
11:40:14 AM [vite] hmr update /src/components/Form.vue (x19)
```

File Edit Selection View Go Run Terminal Help
yliu-library
Form.vue
main.js
App.vue
jsconfig.json
src > components > Form.vue > {} template > div.container.mt-5 > div.row > div.col-md-8.offset-md-2 > form > div.row.mb-3 > div.col.md-6 > div.form-check > input#isAustralian.form-check-input
EXPLORER
OPEN EDITORS
YLIU-LIBRARY
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Ln 22, Col 108 Spaces: 4 UTF-8 CRLF Vue Go Live
11:41 AM
8/17/2024



localhost:5173

User Information Form

Username

a

Password

••••

□ Australian Resident?

Please check this box if you want to proceed.

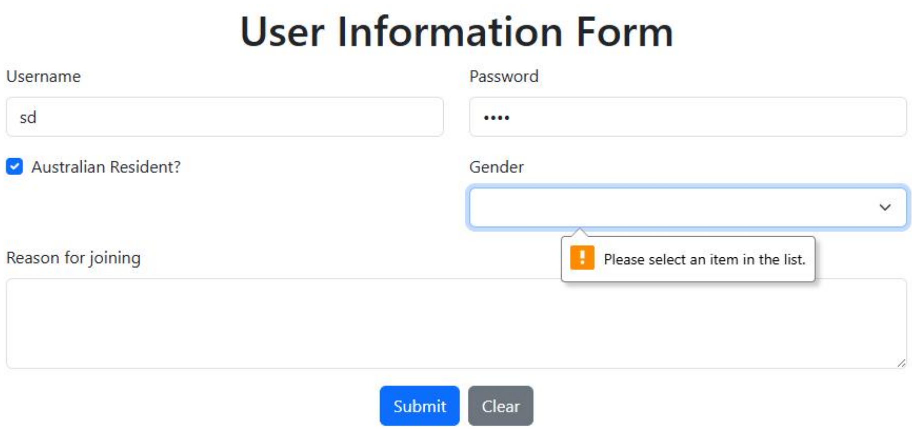
Gender

Male

Reason for joining

as

Submit Clear



User Information Form

Username: sd

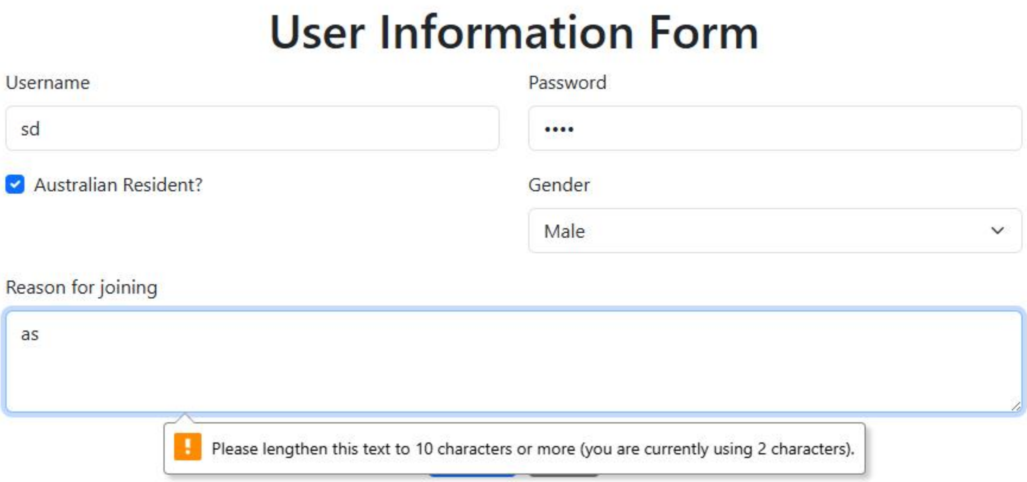
Password: ••••

☑ Australian Resident?

Gender:

Please select an item in the list.

Reason for joining:



User Information Form

Username: sd

Password: ••••

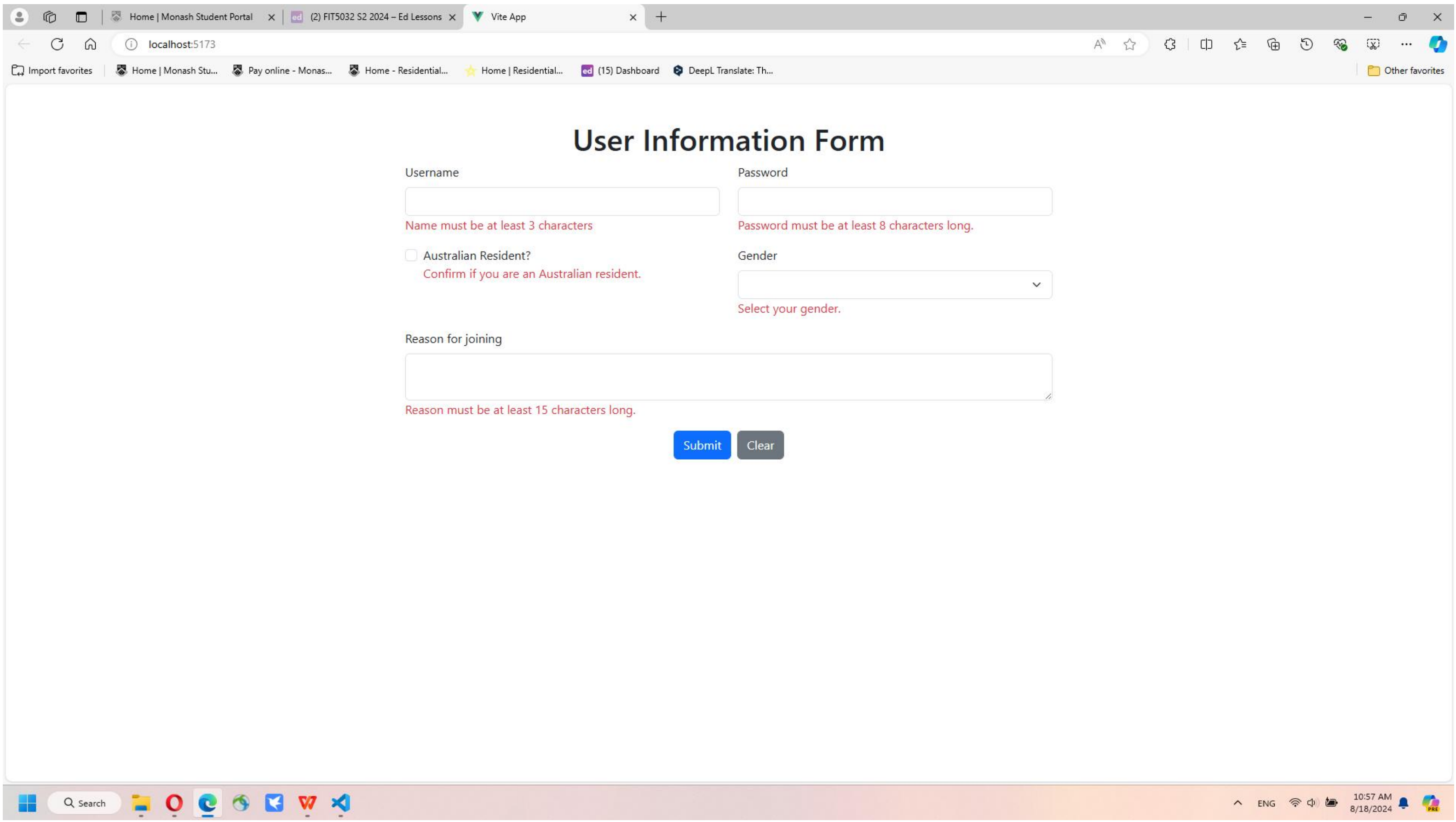
☑ Australian Resident?

Gender: Male

Reason for joining: as

Please lengthen this text to 10 characters or more (you are currently using 2 characters).

Activity 3



User Information Form

Username

Name must be at least 3 characters

Password

Password must be at least 8 characters long.

□ Australian Resident?

Confirm if you are an Australian resident.

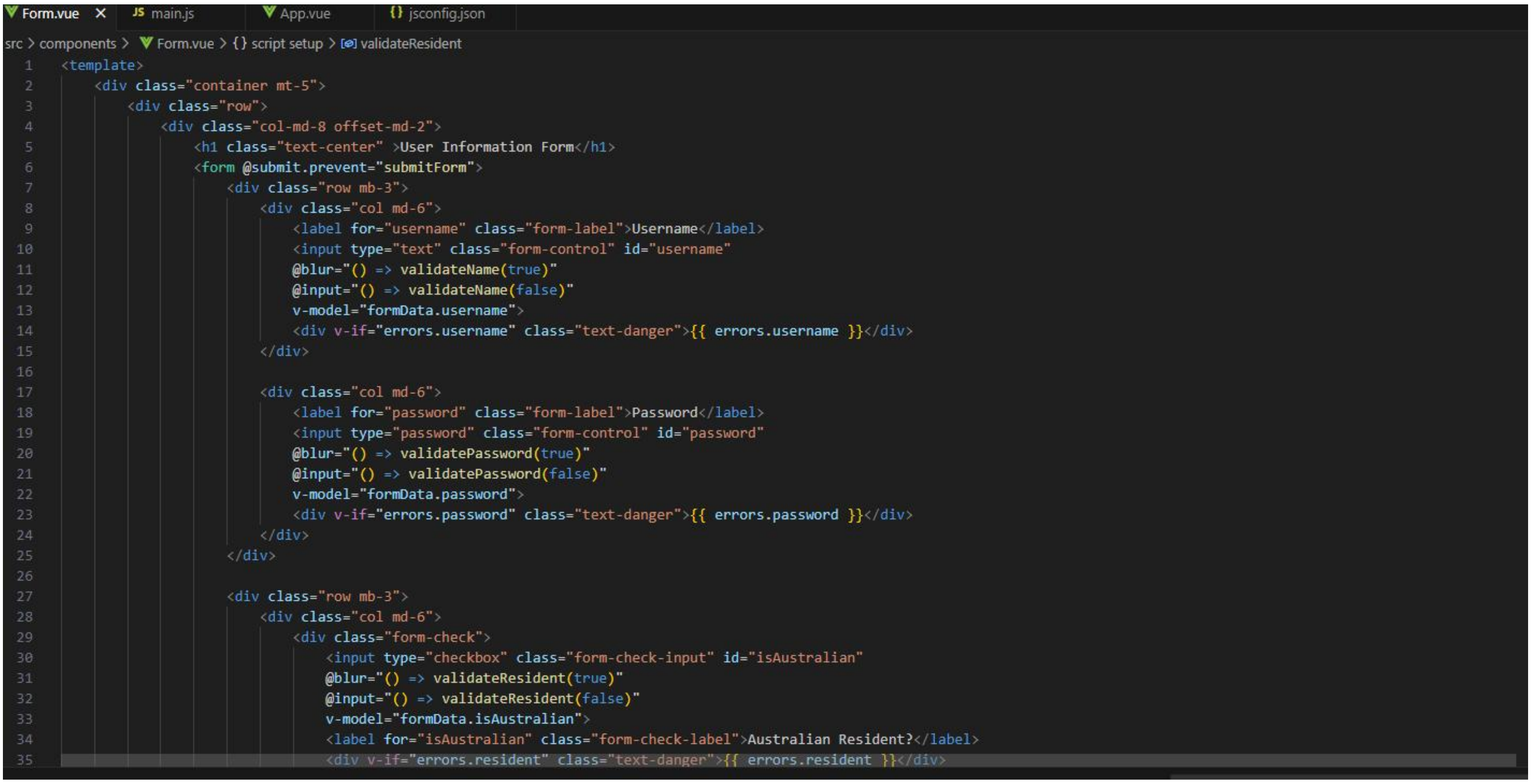
Gender

Select your gender.

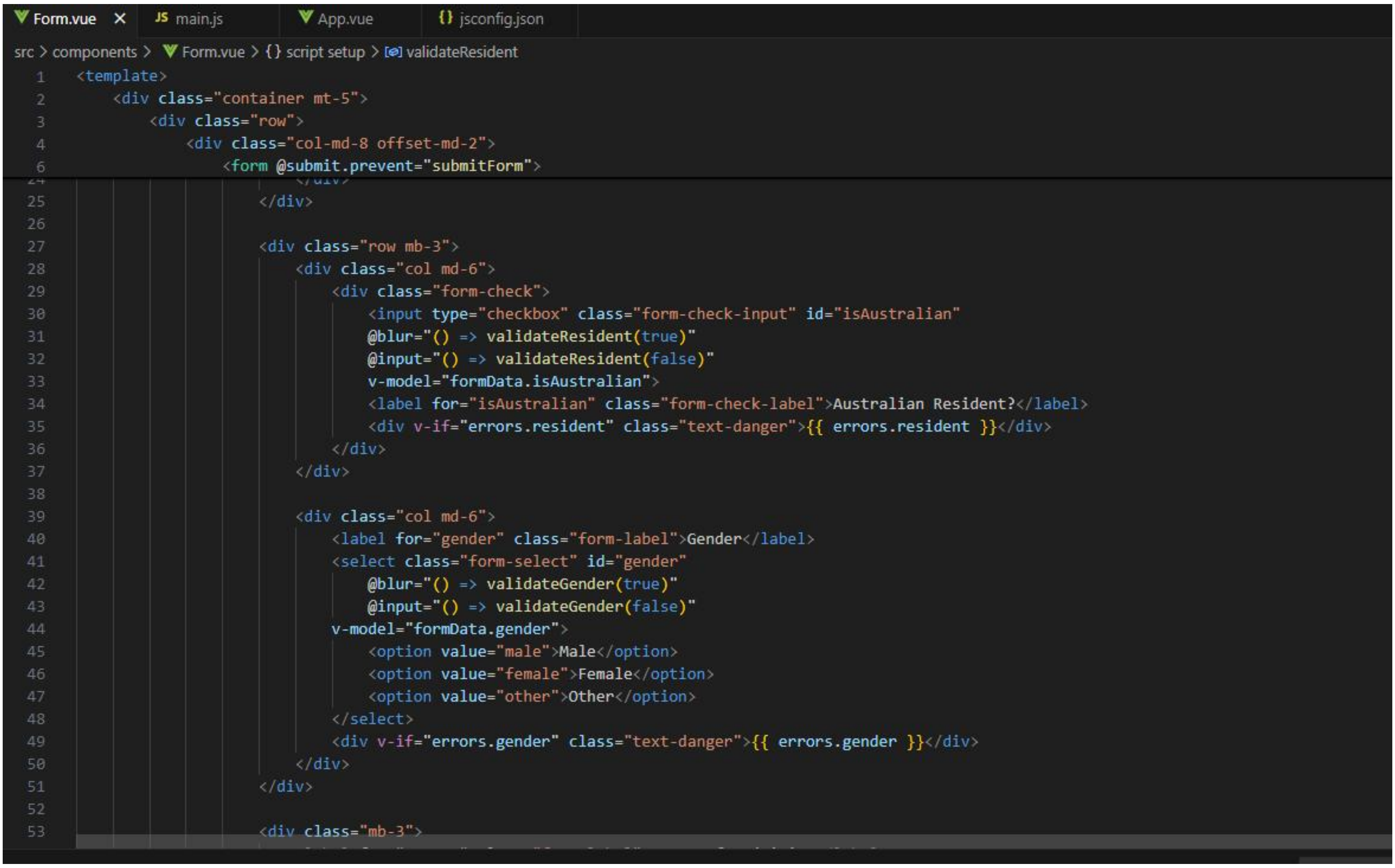
Reason for joining

Reason must be at least 15 characters long.

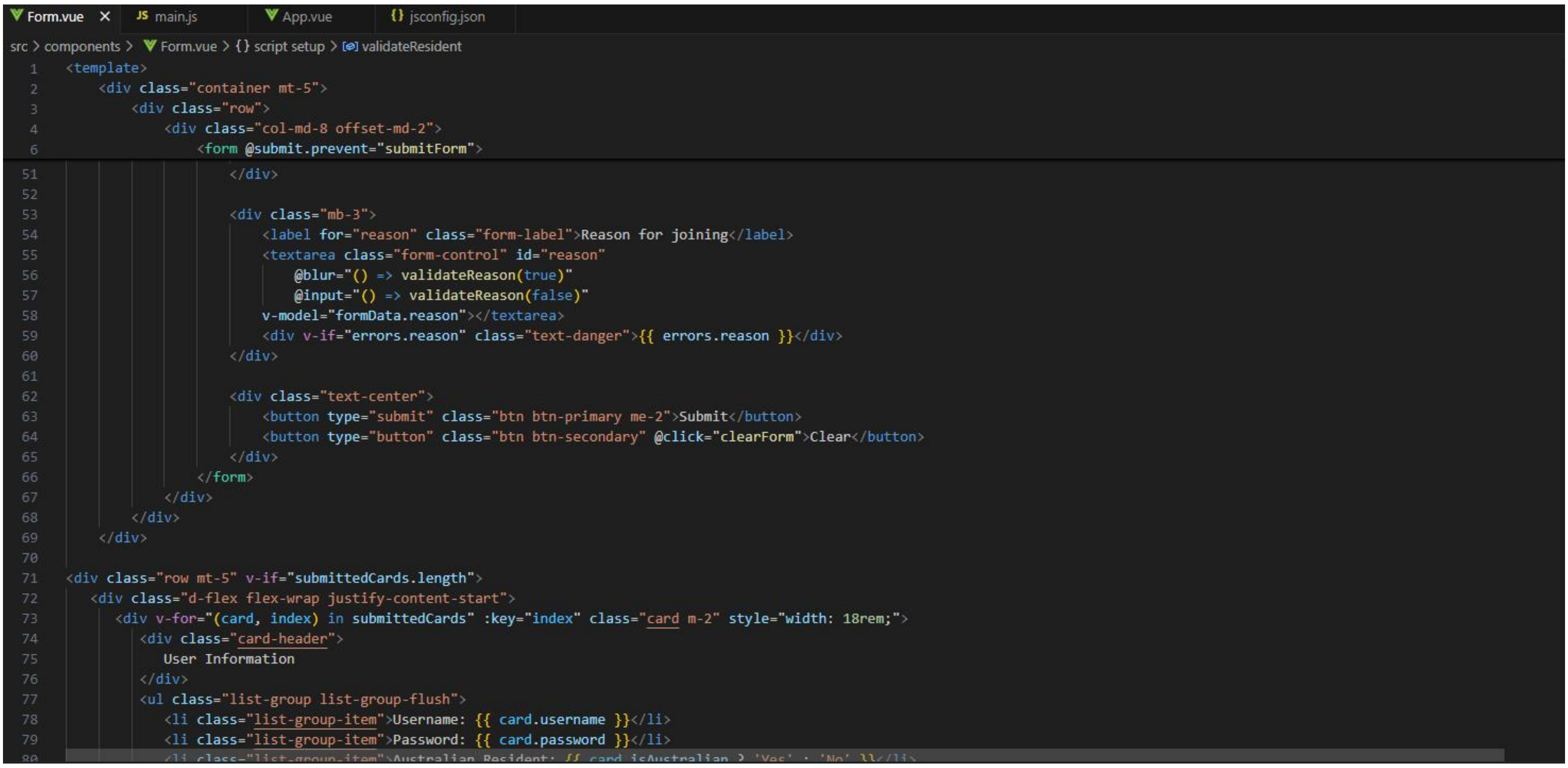
Submit Clear


Form.vue
main.js
App.vue
jsconfig.json
src > components > Form.vue > {} script setup > validateResident

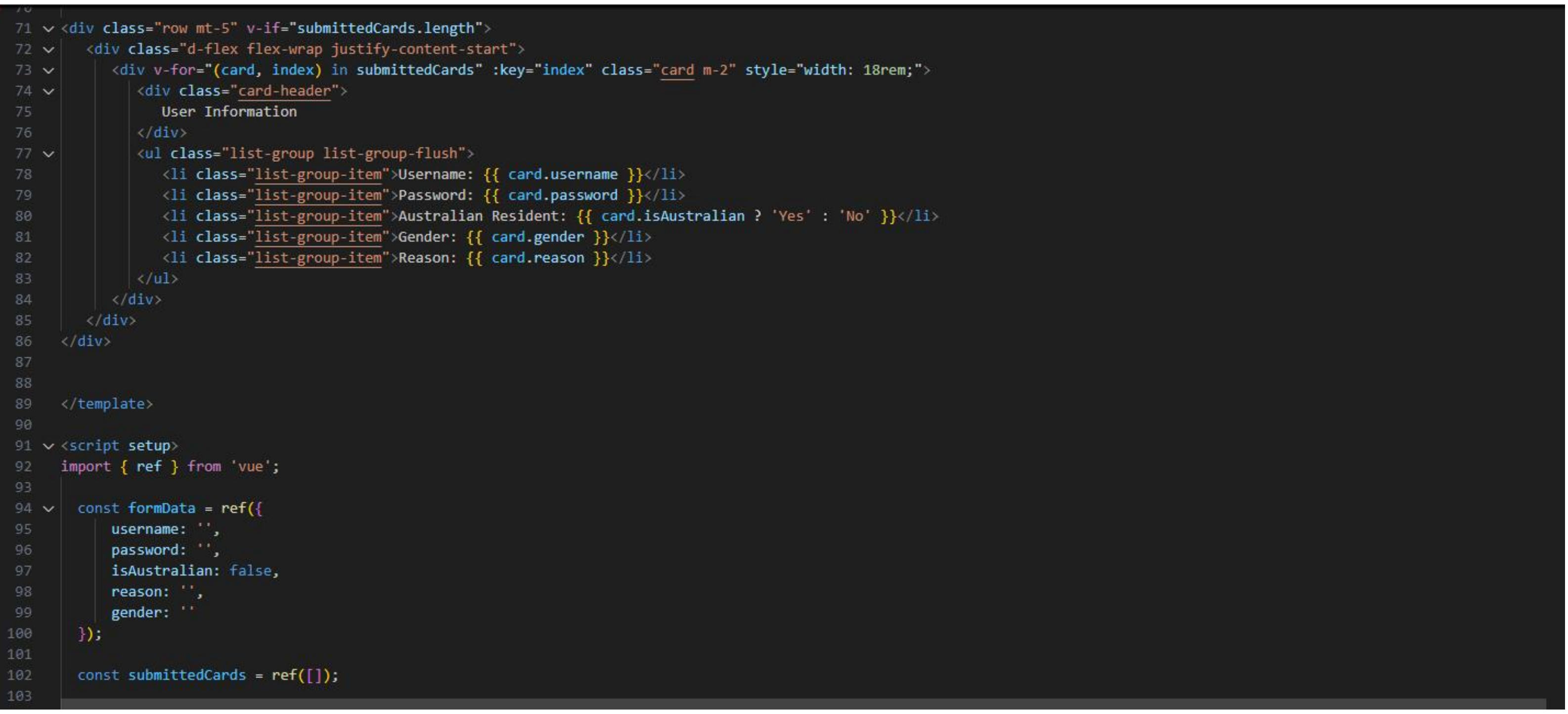
```
<template>
    <div class="container mt-5">
        <div class="row">
            <div class="col-md-8 offset-md-2">
                <h1 class="text-center" >User Information Form</h1>
                <form @submit.prevent="submitForm">
                    <div class="row mb-3">
                        <div class="col md-6">
                            <label for="username" class="form-label">Username</label>
                            <input type="text" class="form-control" id="username"
                            @blur="() => validateName(true)"
                            @input="() => validateName(false)"
                            v-model="formData.username">
                            <div v-if="errors.username" class="text-danger">{{ errors.username }}</div>
                        </div>

                        <div class="col md-6">
                            <label for="password" class="form-label">Password</label>
                            <input type="password" class="form-control" id="password"
                            @blur="() => validatePassword(true)"
                            @input="() => validatePassword(false)"
                            v-model="formData.password">
                            <div v-if="errors.password" class="text-danger">{{ errors.password }}</div>
                        </div>
                    </div>

                    <div class="row mb-3">
                        <div class="col md-6">
                            <div class="form-check">
                                <input type="checkbox" class="form-check-input" id="isAustralian"
                                @blur="() => validateResident(true)"
                                @input="() => validateResident(false)"
                                v-model="formData.isAustralian">
                                <label for="isAustralian" class="form-check-label">Australian Resident?</label>
                                <div v-if="errors.resident" class="text-danger">{{ errors.resident }}</div>
```


Form.vue ×
main.js
App.vue
jsconfig.json
src > components > Form.vue > {} script setup > validateResident

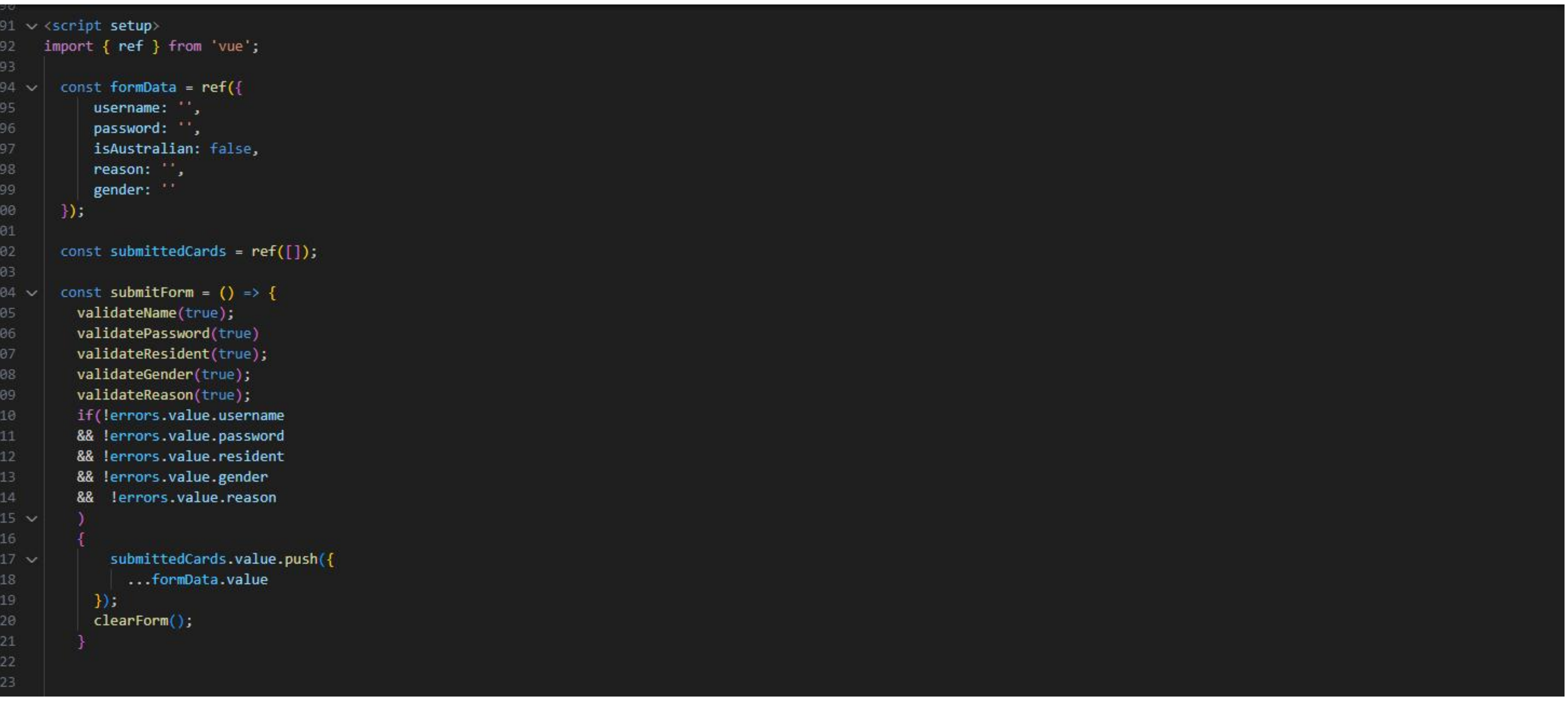
```
<template>
    <div class="container mt-5">
        <div class="row">
            <div class="col-md-8 offset-md-2">
                <form @submit.prevent="submitForm">
                    </div>

                    <div class="row mb-3">
                        <div class="col md-6">
                            <div class="form-check">
                                <input type="checkbox" class="form-check-input" id="isAustralian"
                                @blur="() => validateResident(true)"
                                @input="() => validateResident(false)"
                                v-model="formData.isAustralian">
                                <label for="isAustralian" class="form-check-label">Australian Resident?</label>
                                <div v-if="errors.resident" class="text-danger">{{ errors.resident }}</div>
                            </div>
                        </div>

                        <div class="col md-6">
                            <label for="gender" class="form-label">Gender</label>
                            <select class="form-select" id="gender"
                                @blur="() => validateGender(true)"
                                @input="() => validateGender(false)"
                            v-model="formData.gender">
                                <option value="male">Male</option>
                                <option value="female">Female</option>
                                <option value="other">Other</option>
                            </select>
                            <div v-if="errors.gender" class="text-danger">{{ errors.gender }}</div>
                        </div>
                    </div>

                    <div class="mb-3">
```


Form.vue ×
main.js
App.vue
jsconfig.json
src > components > Form.vue > {} script setup > validateResident

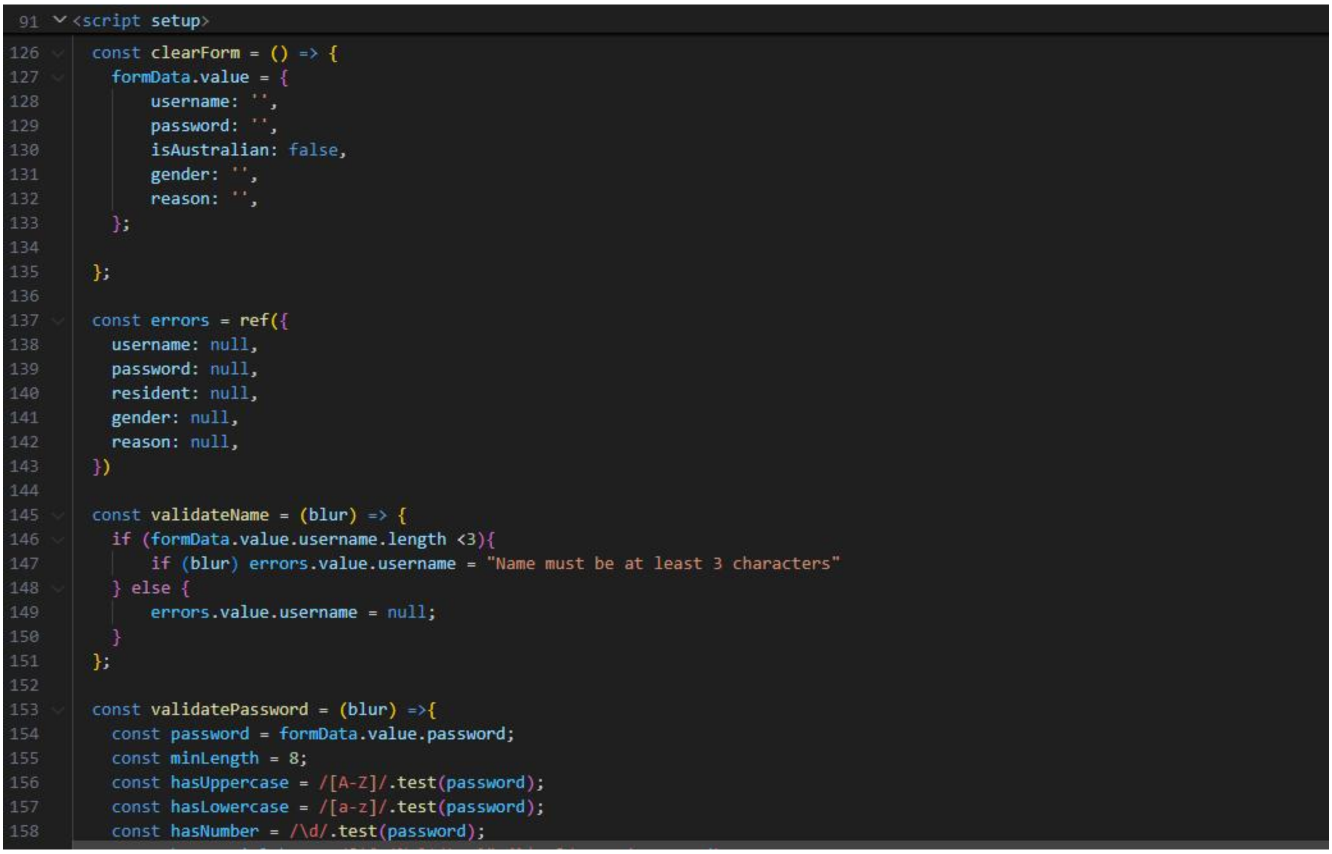
```
<template>
    <div class="container mt-5">
        <div class="row">
            <div class="col-md-8 offset-md-2">
                <form @submit.prevent="submitForm">
                    </div>

                    <div class="mb-3">
                        <label for="reason" class="form-label">Reason for joining</label>
                        <textarea class="form-control" id="reason"
                            @blur="() => validateReason(true)"
                            @input="() => validateReason(false)"
                        v-model="formData.reason"></textarea>
                        <div v-if="errors.reason" class="text-danger">{{ errors.reason }}</div>
                    </div>

                    <div class="text-center">
                        <button type="submit" class="btn btn-primary me-2">Submit</button>
                        <button type="button" class="btn btn-secondary" @click="clearForm">Clear</button>
                    </div>
                </form>
            </div>
        </div>
    </div>

<div class="row mt-5" v-if="submittedCards.length">
  <div class="d-flex flex-wrap justify-content-start">
    <div v-for="(card, index) in submittedCards" :key="index" class="card m-2" style="width: 18rem;">
      <div class="card-header">
        User Information
      </div>
      <ul class="list-group list-group-flush">
        <li class="list-group-item">Username: {{ card.username }}</li>
        <li class="list-group-item">Password: {{ card.password }}</li>
        <li class="list-group-item">Australian Resident: {{ card.isAustralian ? 'Yes' : 'No' }}</li>
```



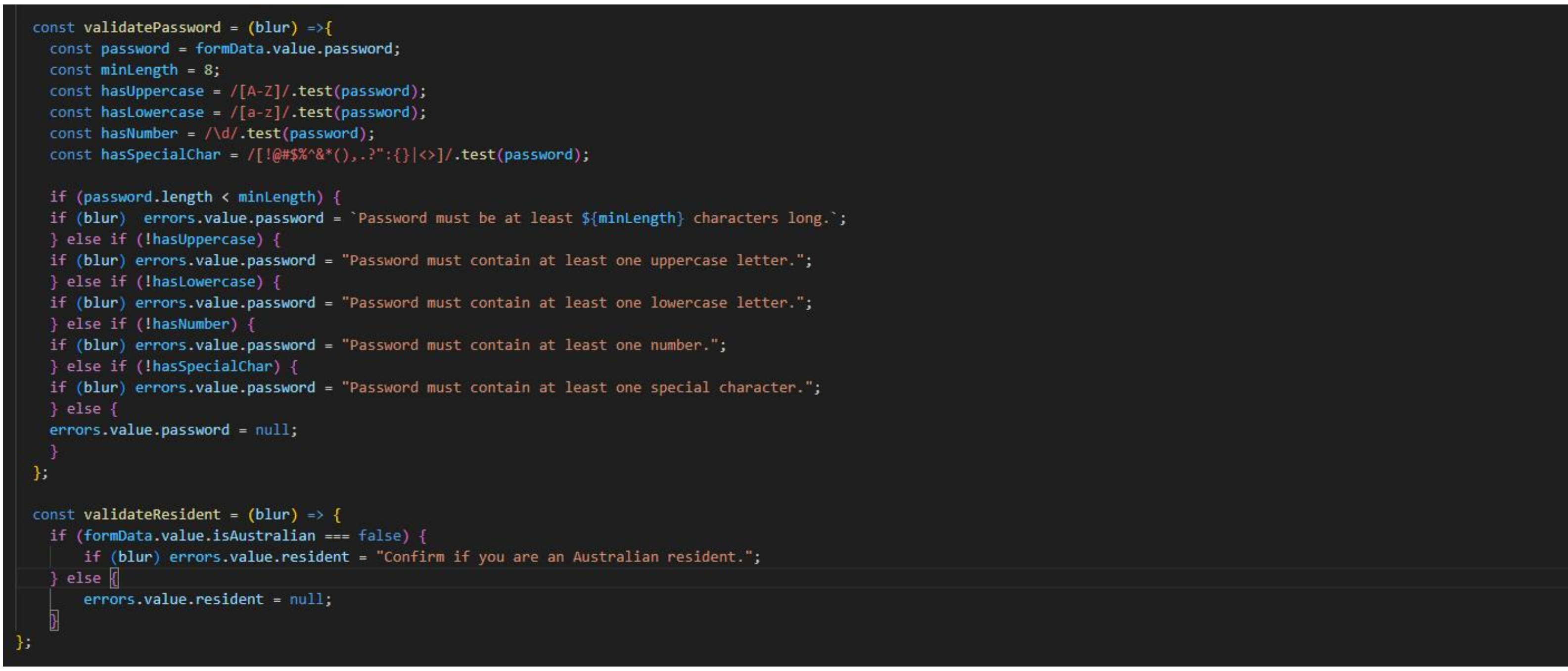
```
<div class="row mt-5" v-if="submittedCards.length">
  <div class="d-flex flex-wrap justify-content-start">
    <div v-for="(card, index) in submittedCards" :key="index" class="card m-2" style="width: 18rem;">
      <div class="card-header">
        User Information
      </div>
      <ul class="list-group list-group-flush">
        <li class="list-group-item">Username: {{ card.username }}</li>
        <li class="list-group-item">Password: {{ card.password }}</li>
        <li class="list-group-item">Australian Resident: {{ card.isAustralian ? 'Yes' : 'No' }}</li>
        <li class="list-group-item">Gender: {{ card.gender }}</li>
        <li class="list-group-item">Reason: {{ card.reason }}</li>
      </ul>
    </div>
  </div>
</div>


</template>

<script setup>
import { ref } from 'vue';

  const formData = ref({
      username: '',
      password: '',
      isAustralian: false,
      reason: '',
      gender: ''
  });

  const submittedCards = ref([]);

```



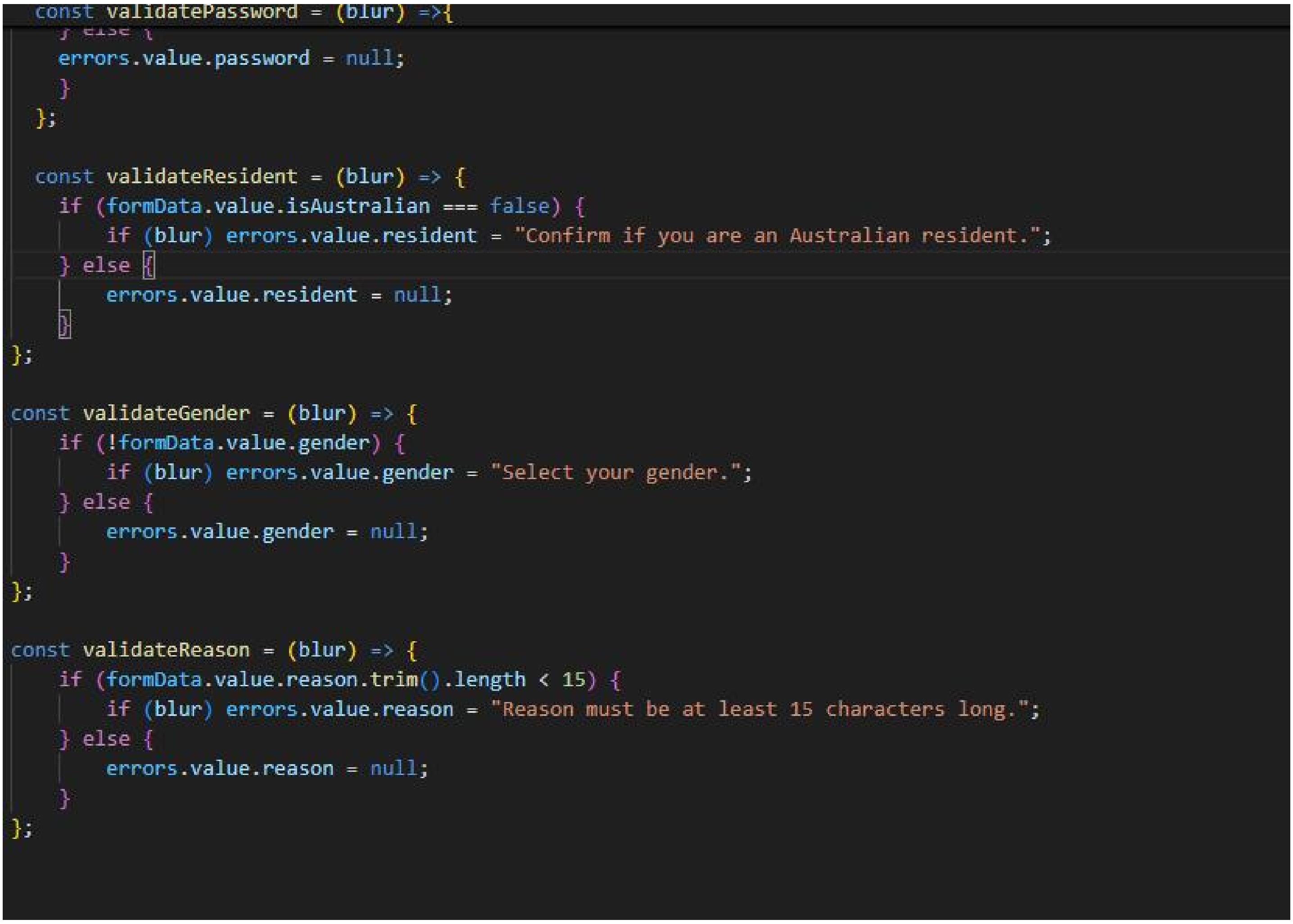
```
<script setup>
import { ref } from 'vue';

  const formData = ref({
      username: '',
      password: '',
      isAustralian: false,
      reason: '',
      gender: ''
  });

  const submittedCards = ref([]);

  const submitForm = () => {
    validateName(true);
    validatePassword(true)
    validateResident(true);
    validateGender(true);
    validateReason(true);
    if(!errors.value.username
    && !errors.value.password
    && !errors.value.resident
    && !errors.value.gender
    &&  !errors.value.reason
    )
    {
        submittedCards.value.push({
          ...formData.value
      });
      clearForm();
    }


```



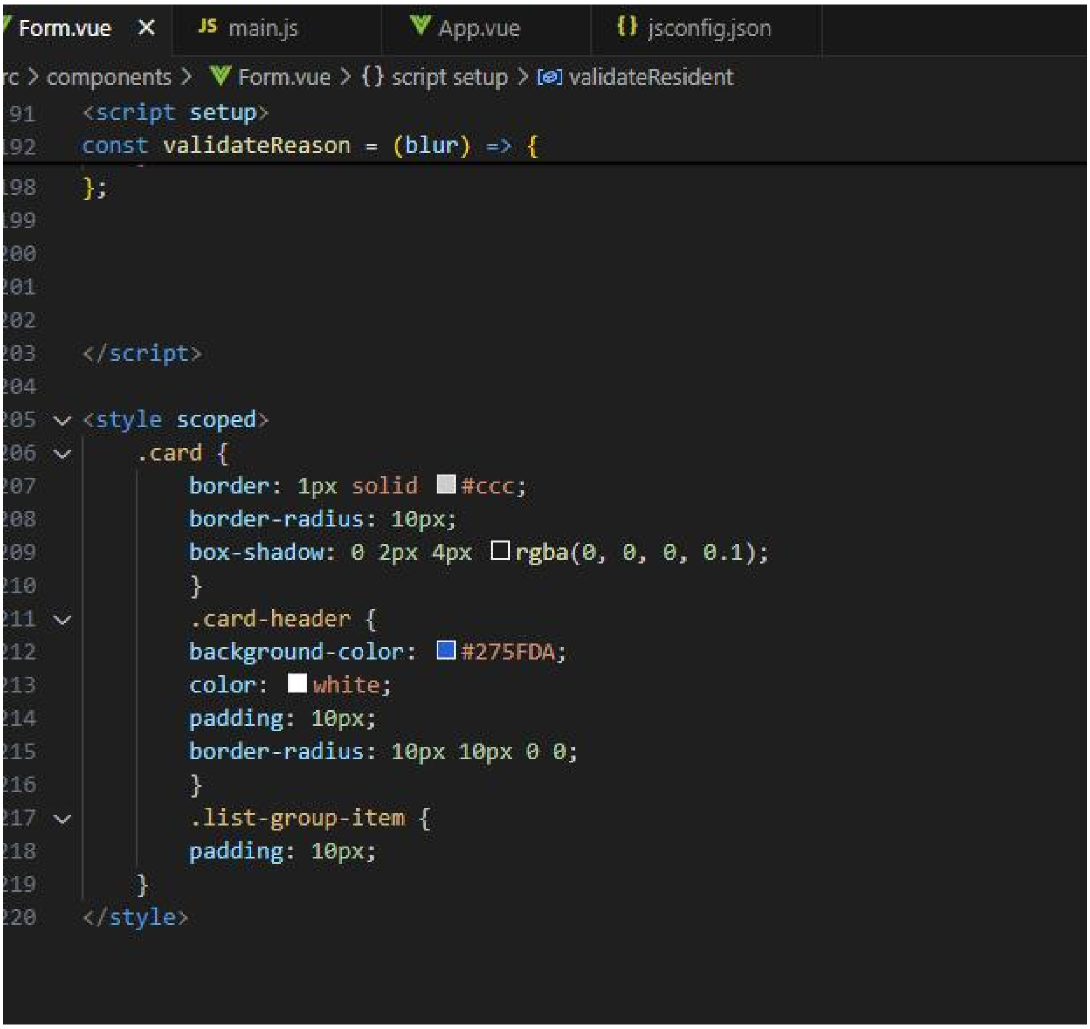
```
<script setup>
  const clearForm = () => {
    formData.value = {
        username: '',
        password: '',
        isAustralian: false,
        gender: '',
        reason: '',
    };

  };

  const errors = ref({
    username: null,
    password: null,
    resident: null,
    gender: null,
    reason: null,
  })

  const validateName = (blur) => {
    if (formData.value.username.length <3){
        if (blur) errors.value.username = "Name must be at least 3 characters"
    } else {
        errors.value.username = null;
    }
  };

  const validatePassword = (blur) =>{
    const password = formData.value.password;
    const minLength = 8;
    const hasUppercase = /[A-Z]/.test(password);
    const hasLowercase = /[a-z]/.test(password);
    const hasNumber = /\d/.test(password);
```



```
  const validatePassword = (blur) =>{
    const password = formData.value.password;
    const minLength = 8;
    const hasUppercase = /[A-Z]/.test(password);
    const hasLowercase = /[a-z]/.test(password);
    const hasNumber = /\d/.test(password);
    const hasSpecialChar = /[!@#$%^&*(),.?":{}|<>]/.test(password);

    if (password.length < minLength) {
    if (blur)  errors.value.password = `Password must be at least ${minLength} characters long.`;
    } else if (!hasUppercase) {
    if (blur) errors.value.password = "Password must contain at least one uppercase letter.";
    } else if (!hasLowercase) {
    if (blur) errors.value.password = "Password must contain at least one lowercase letter.";
    } else if (!hasNumber) {
    if (blur) errors.value.password = "Password must contain at least one number.";
    } else if (!hasSpecialChar) {
    if (blur) errors.value.password = "Password must contain at least one special character.";
    } else {
    errors.value.password = null;
    }
  };

  const validateResident = (blur) => {
    if (formData.value.isAustralian === false) {
        if (blur) errors.value.resident = "Confirm if you are an Australian resident.";
    } else {
        errors.value.resident = null;
    }
};
```



```
  const validatePassword = (blur) =>{
    } else {
    errors.value.password = null;
    }
  };

  const validateResident = (blur) => {
    if (formData.value.isAustralian === false) {
        if (blur) errors.value.resident = "Confirm if you are an Australian resident.";
    } else {
        errors.value.resident = null;
    }
};

const validateGender = (blur) => {
    if (!formData.value.gender) {
        if (blur) errors.value.gender = "Select your gender.";
    } else {
        errors.value.gender = null;
    }
};

const validateReason = (blur) => {
    if (formData.value.reason.trim().length < 15) {
        if (blur) errors.value.reason = "Reason must be at least 15 characters long.";
    } else {
        errors.value.reason = null;
    }
};
```


Form.vue ×
JS main.js
App.vue
{} jsconfig.json
rc > components > Form.vue > {} script setup > validateResident

```
<script setup>
const validateReason = (blur) => {
};




</script>

<style scoped>
    .card {
        border: 1px solid ■#ccc;
        border-radius: 10px;
        box-shadow: 0 2px 4px □rgba(0, 0, 0, 0.1);
        }
        .card-header {
        background-color: ■#275FDA;
        color: ■white;
        padding: 10px;
        border-radius: 10px 10px 0 0;
        }
        .list-group-item {
        padding: 10px;
    }
</style>
```