



# MONASH University

## EFOLIO Week3 & 4

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Lab Class:Tuesday 10-12am

GitHub

[https://github.com/Franz-Pei/Franz/tree/d23b738d5e58d4548a2982776d7793c5a79d8d1f/MONASH\\_IT\\_MASTER/FIT5032Internet\\_applications\\_development](https://github.com/Franz-Pei/Franz/tree/d23b738d5e58d4548a2982776d7793c5a79d8d1f/MONASH_IT_MASTER/FIT5032Internet_applications_development)

## Activity1

A screenshot of a Vue.js application development environment in VS Code. The browser window shows a user information form titled "User Information Form / Credentials". The code editor displays the "Form.vue" component template, which includes a header, a logo, and a JSON placeholder section. The sidebar shows the project structure with files like "App.vue", "HelloWorld.vue", and "index.html". The terminal shows the command "VITE v5.3.5 ready in 703 ms".

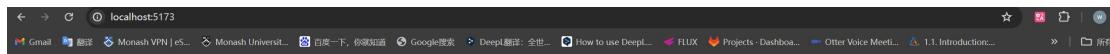
```
<script setup>
</script>
<template>
  <!-- JSON -->
  <Form/>
</template>
<style scoped>
  .header {
    line-height: 1.5;
  }
  .logo {
    display: block;
    margin: 0 auto 2rem;
  }
  @media (min-width: 1024px) {
    .header {
      display: flex;
      place-items: center;
      padding-right: calc(var(--section-gap) / 2);
    }
    .logo {
      margin: 0 auto 2rem;
    }
  }
</style>
```

## Activity2.1

The screenshot shows a browser window at localhost:5173 displaying a "User Information Form / Credentials". The form includes fields for Username, Password, Australian Resident status, Reason For Joining (with a text area), and Gender (with a dropdown menu set to Female). Below the form is a code editor showing the Vue.js component code for "Form.vue". The code defines a template with a form containing various input fields and a script setup section.

```
<template>
  <div class="form">
    <h1>User Information Form / Credentials</h1>
    <form>
      <label for="username">Username:</label><br>
      <input type="text" id="username" name="username">
      <label for="password">Password:</label><br>
      <input type="password" id="password" name="password">
      <label for="isAustralian">Australian Resident?</label>
      <input type="checkbox" id="isAustralian" name="isAustralian">
      <label for="reason">Reason For Joining:</label><br>
      <textarea id="reason" name="reason" rows="3"></textarea>
      <label for="gender">Gender:</label><br>
      <select id="gender">
        <option value="female">Female</option>
        <option value="male">Male</option>
        <option value="other">Other</option>
      </select>
    </form>
  </div>
</template>
<script setup>
  // Our logic will go here
</script>
```

## Activity2.2



## User Information Form / Credentials

Username:

Password:

Australian Resident?

Reason For Joining:

Gender

## Activity3.2

File Edit Selection View Go Run Terminal Help

Formvue U JS main.js M X

```

spel-library > src > JS main.js
1 import './assets/main.css'
2 import './style.css'
3
4 import { createApp } from 'vue'
5 import App from './App.vue'
6
7 createApp(App).mount('#app')
8

```

DEBUG CONSOLE TERMINAL PORTS

```

> spel-library@0.0.0 dev
> vite
Port 5171 is in use, trying another one...
VITE v5.3.5 ready in 868 ms
→ Local: http://localhost:5174/
→ Network: use --host to expose
→ Vue DevTools: Open http://localhost:5174/_devtools/_/ as a separate window
→ Vue DevTools: Press Alt+Shift+D in App to toggle the Vue DevTools
→ press h + enter to show help

```

EXPLORER

FITS032-WEEK2

- zpei-library
  - > vscode
  - > node\_modules
  - > public
  - > src
    - > assets
    - > components
      - > icons
      - > Formvue
      - > HelloWorld.vue
      - > JSON.vue
      - > TheWelcome.vue
      - > Welcometem.vue
    - > App.vue
    - > main.js
    - # style.css
    - @ eslintrc.js
    - @ gitignore
    - (@ prettier.json
    - (@ index.html
    - (@ jsonconfig.json
    - (@ package-lock.json
    - (@ package.json
    - (@ README.md
    - js vite.config.js
    - l package-lock.json

OUTLINE

TIMELINE

PROBLEMS

No problems have been detected in the workspace.

localhost:5173

User Information Form / Credentials

Username:

Password:

Australian Resident?

Reason For Joining:

Gender:  Female

Internet Applications Development > FITS032-week2 > zpei-library > src > components > Form.vue

```

<template>
  <div class="form">
    <h3>User Information Form / Credentials</h3>
    <form>
      <label for="username">Username:</label><br>
      <input type="text" id="username" name="username">
      <label for="password">Password:</label><br>
      <input type="password" id="password" name="pass">
      <label for="isAustralian">Australian Resident?</label>
      <input type="checkbox" id="isAustralian" name="isAustralian">
      <label for="reason">Reason For Joining:</label>
      <textarea id="reason" name="reason" rows="3"></textarea>
      <label for="gender">Gender:</label><br>
      <select id="gender">
        <option value="female">Female</option>
        <option value="male">Male</option>
        <option value="other">Other</option>
      </select>
    </form>
  </div>
<script setup>
// Our logic will go here

```

VITE v5.3.5 ready in 669 ms

→ Local: http://localhost:5173/
→ Network: use --host to expose
→ Vue DevTools: Open http://localhost:5173/\_devtools/\_/ as a separate window
→ Vue DevTools: Press Alt+Shift+D in App to toggle the Vue DevTools
→ press h + enter to show help

EXPLORER

FITS032-Internet applications

- fit5032-assignment
- fit5032-week1
- zpei-library
  - > vscode
  - > node\_modules
  - > public
  - > src
    - > assets
      - # base.css
      - # logo.svg
      - # main.css
    - > components
      - > Formvue
        - > HelloWorld.vue
        - > JSON.vue
        - > TheWelcome.vue
        - > Welcometem.vue
    - > App.vue
    - > main.js
    - @ eslintrc.js
    - @ gitignore
    - (@ prettier.json
    - (@ index.html
    - (@ jsonconfig.json
    - (@ package-lock.json
    - (@ package.json
    - (@ README.md

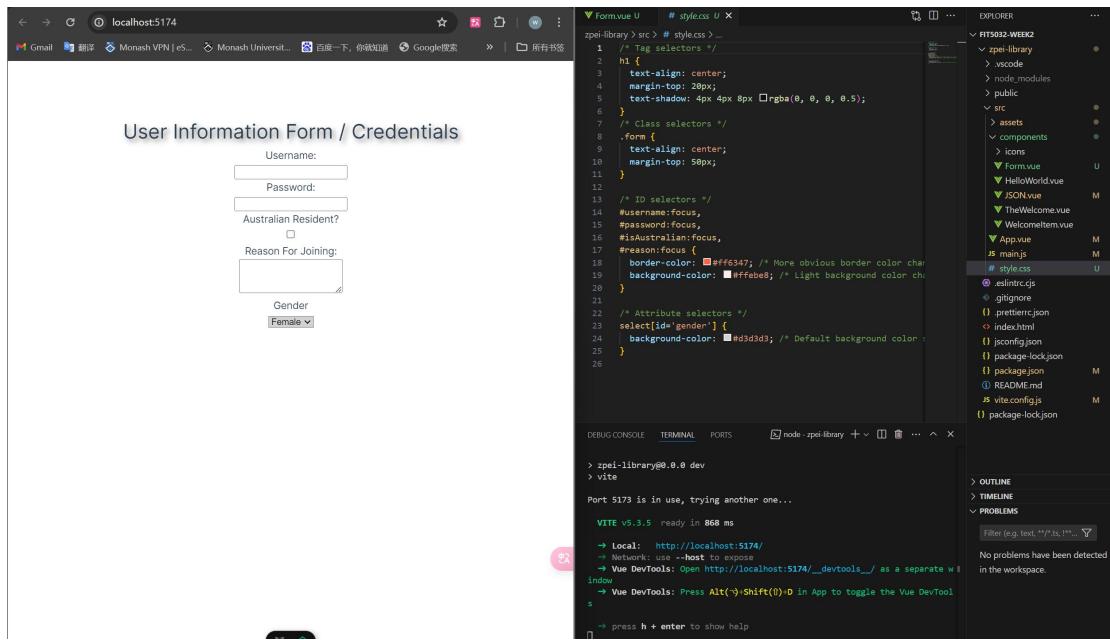
OUTLINE

TIMELINE

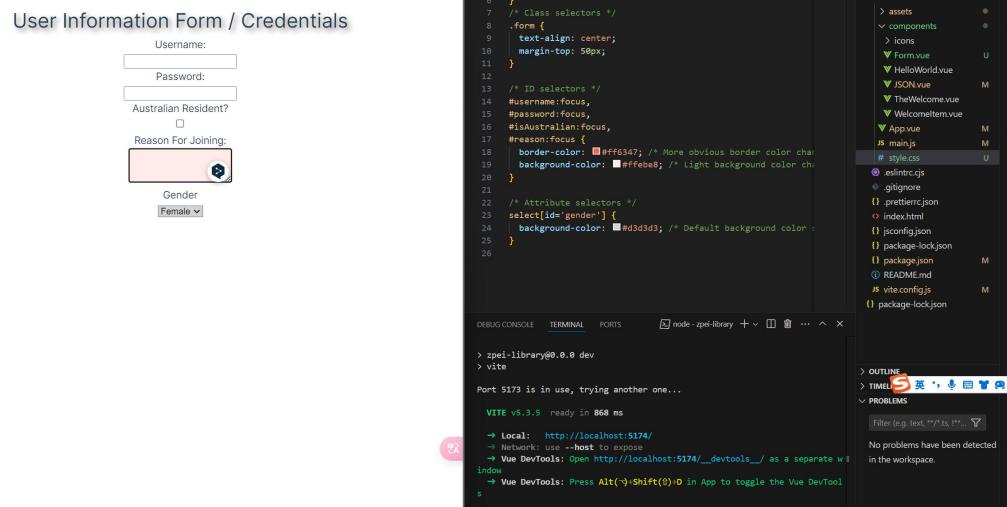
PROBLEMS

No problems have been detected in the workspace.

### Activity3.3&3.4



## Activity3.5



## Activity3.6

The screenshot shows a web browser window at `localhost:5174` displaying a "User Information Form / Credentials". The form includes fields for Username, Password, Australian Resident status, Reason for Joining, Gender (with options Female, Male, Other), and a file input field. To the right is a VS Code interface with the following details:

- File Explorer:** Shows a project structure for "FIT5032 WEEK2" containing files like `src/index.html`, `src/App.vue`, `src/main.js`, and `src/assets/style.css`.
- Terminal:** Shows the command `npm install bootstrap` being run.
- Output:** Displays the results of the npm install command, including package installation and audit results.
- Problems:** Shows no problems detected.

## Activity4.1

```
_development\fit5032-week2\zpei-library> npm install bootstrap
added 2 packages, and audited 267 packages in 1s

67 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
npm notice
npm notice New patch version of npm available! 10.8.1 -> 10.8.2
npm notice Changelog: https://github.com/npm/cli/releases/tag/v10.8.2
npm notice To update run: npm install -g npm@10.8.2
npm notice
PS D:\Monash\GitHub\Franz-Pei\MONASH_IT_MASTER\FIT5032Internet_applicati
```

## Activity4.2&4.3

```
4 import { createApp } from 'vue'
5 import App from './App.vue'
6
7 //import bootstrap css
8 import 'bootstrap/dist/css/bootstrap.min.css'
```

## Activity5

```

<template>
  <div class="container mt-5">
    <div class="row">
      <div class="col-md-6 offset-md-2">
        <h1 class="text-center">User Information Form</h1>
        <form @submit.prevent="submitForm">
          <!-- Row for Username and Password -->
          <div class="row mb-3">
            <!-- Username Field -->
            <div class="col-md-6">
              <label for="username" class="form-label">Username</label>
              <input type="text" class="form-control" id="username" v-model="formData.username" />
              <div v-if="errors.username" class="text-danger">{{ errors.username }}</div>
            </div>
            <!-- Password Field -->
            <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 v-if="errors.password" class="text-danger">{{ errors.password }}</div>
            </div>
          </div>
          <!-- Additional Fields -->
          <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" checked="" />
                <label class="form-check-label" for="isAustralian">Australian Resident?</label>
              <div v-if="errors.resident" class="text-danger">{{ errors.resident }}</div>
            </div>
          </div>
        </form>
      </div>
    </div>
  </div>

```

VS Code interface showing the file structure and code editor for the 'Form.vue' component.

## Activity6.1

User Information Form

Username

Password

Australian Resident?  Gender

Reason for joining

Submit Clear

VS Code interface showing the 'script setup' section of the 'Form.vue' component. It defines a ref for formData and a ref for submittedCards, and sets up a submitForm function to push new cards into submittedCards.

```

<script setup>
// Our logic will go here
import { ref } from 'vue';

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

const submittedCards = ref([]);

const submitForm = () => {
  submittedCards.value.push({
    ...formData.value
  });
};

</script>
<style scoped></style>

```

1:23:59 pm [vite] hmr update /src/components/Form.vue

No problems have been detected in the workspace.

```

<!-- Display submitted cards -->
<div class="row mt-5">
  <div class="d-flex flex-wrap justify-content-start">
    <div class="card-header">
      <div class="header-item">Username</div>
      <div class="header-item">Password</div>
      <div class="header-item">Australian Resident</div>
      <div class="header-item">Gender</div>
      <div class="header-item">Reason</div>
    </div>
    <div v-for="(card, index) in submittedCards" :key="index" class="content-group">
      <ul class="content-group-item">
        <li class="content-group-item">{{ card.username }}</li>
        <li class="content-group-item">{{ card.password }}</li>
        <li class="content-group-item">{{ card.isAustralian ? 'true' : 'false' }}</li>
        <li class="content-group-item">{{ card.gender }}</li>
        <li class="content-group-item">{{ card.reason }}</li>
      </ul>
    </div>
  </div>
</div>

```

## Activity6.2

## Activity7

Dimensions: Responsive ▾ 900 × 979 81% No throttling ▾ ⚙

User Information Form

Username

Password

Australian Resident?

Gender

Reason for joining

Dimensions: Responsive ▾ 600 3 979 82% \* No throttling ▾

### User Information Form

Username

Password

Australian Resident?  
Gender  
 Male  
 Female

Select Gender

Reason for joining

The screenshot shows a user information form titled "User Information Form". The form includes fields for "Username" (with placeholder "JohnDoe"), "Password" (with placeholder "password123"), and "Reason for joining" (with placeholder "I want to learn more about web development"). It also features a checkbox for "Australian Resident?" and a dropdown menu for "Gender". At the bottom are "Submit" and "Clear" buttons. The browser's developer tools are open, showing the DOM structure and styles for the page. A tooltip from the DevTools interface indicates "Always match Chrome's language" and "Switch DevTools to Chinese".

Github History

Franz-Pei / Franz

Code Pull requests Actions Projects Security Insights Settings

## Commits

History for Franz / MONASH\_IT\_MASTER / FIT5032Internet\_applications\_development

on main All users All time

- o Commits on Aug 16, 2024
  - update the file**  
Franz-Pei committed 5 hours ago d23b738
  - update a new file named fit5032-week4**  
Franz-Pei committed 6 hours ago 24c83a6
  - Add the week3 efolio**  
Franz-Pei committed 6 hours ago be704b9
- o Commits on Aug 8, 2024
  - Create assignment rep and Week3**  
Franz-Pei committed last week aef9c1e
- o Commits on Aug 2, 2024
  - update the FIT5032 week2 efiilo**  
Franz-Pei committed 2 weeks ago b189905

View code at this point

End of commit history for this file

Showing 49 changed files with 9,498 additions and 0 deletions.

Whitespace Ignore whitespace Split Unified

Filter changed files

MONASH\_IT\_MASTER/FIT5032Internet\_applications\_development/fit50...

... ... @@ -0,0 +1,14 @@

1 + /\* eslint-env node \*/  
2 + require('@rushstack/eslint-patch/modern-module-  
resolution')  
3 +  
4 + module.exports = {  
5 + root: true,  
6 + 'extends': [  
7 + 'plugin:vue/vue3-essential',  
8 + 'eslint:recommended',  
9 + '@vue/eslint-config-prettier/skip-formatting'  
10 + ],  
11 + parserOptions: {  
12 + ecmaVersion: 'latest'  
13 + }  
14 + }

... ... @@ -0,0 +1,30 @@

1 + # Logs  
2 + logs  
3 + \*.log  
4 + npm-debug.log\*  
5 + yarn-debug.log\*  
6 + yarn-error.log\*  
7 + pnpm-debug.log\*  
8 + lerna-debug.log\*  
9 +  
10 + node\_modules  
11 + .DS\_Store  
12 + dist  
13 + dist-ssr  
14 + coverage  
15 + \*.local  
16 +  
17 + /cypress/videos/  
18 + /cypress/screenshots/

Week4

Activity2.1

## User Information Form

Username  Password

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

Reason for joining

**Submit** **Clear**

### Activity2.3

The screenshot shows a "User Information Form" with the following fields:

- Username: Franz
- Password:
- Australian Resident?  Please lengthen this text to 4 characters or more (you are currently using 3 characters).
- Gender:
- Reason for joining:
- Buttons: Submit, Clear

Below the form, a modal window titled "User Information" displays the entered data:

User Information	
Username:	1212
Password:	1212
Australian Resident:	No
Gender:	<input type="text"/>
Reason:	<input type="text"/>

The right side of the screenshot shows a code editor with the following code:

```

3
4 <template>
5   <h1>User
6   </h1>
7
8   <form>
9     <div>
10    <label>Username</label>
11    <input type="text" class="form-control" id="username" required v-model="formData.username">
12
13    <label>Password</label>
14    <input type="password" minlength="4" maxlength="10" v-model="formData.password">
15
16
17
18
19
20    <label>Australian Resident?</label>
21    <input checked="" type="checkbox" id="isAustralian" v-model="formData.isAustralian">
22    <span>Australian Resident?</span>
23
24
25    <label>Gender</label>
26    <input type="text" v-model="formData.gender">
27    <option>
28      <option>
29    </option>
30

```

The code editor also shows a file structure on the right:

```

.
+-- node_modules
+-- public
|   ★ favicon.ico
+-- src
|   +-- assets
|   +-- components
|   |   +-- icons
|   |   +-- Form.vue
|   |   +-- HelloWorld.vue
|   |   +-- JSON.vue
|   |   +-- TheWelcome.vue
|   |   +-- WelcomeItem.vue
|   +-- App.vue
|   +-- main.js
|   +-- style.css
|   +-- .eslintrc.js
|   +-- .gitignore
|   +-- .prettierrc.json
|   +-- index.html
|   +-- jsonconfig.json
|   +-- package-lock.json
|   +-- package.json
|   +-- README.md
|   +-- vite.config.js
|   +-- package-lock.json

```

### Activity2.5

```

7   <div class="row mb-3">
8     <div class="col-md-6 col-sm-6">
9       <label for="username" class="form-label">Username</label>
10      <input type="text" class="form-control" id="username" required v-model="formData.username">
11

```

### Activity 2.5 Gender

The screenshot shows a user information form on the left and its source code on the right. The form includes fields for Username (Franz), Password (\*\*\*\*), Australian Resident? (checkbox checked), Gender (dropdown menu showing 'Please select one'), and Reason for joining (text input with placeholder 'Please select an item in the list.' and a tooltip 'Please select one item in the list'). The code in VS Code shows the HTML template with v-model bindings and validation rules like 'required' and 'minlength="10"'.

## Activity 2.5 reason

The screenshot shows the same user information form with validation errors. The 'Reason for joining' field has a tooltip 'Please lengthen this text to 10 characters or more (you are currently using 7 characters)'. The code in VS Code shows the updated HTML template with the validation message and the corrected 'rows="3"' attribute.

## Activity3.1

The screenshot shows the user information form with validation errors. The 'Reason for joining' field has a tooltip 'Please lengthen this text to 10 characters or more (you are currently using 7 characters)'. The code in VS Code shows the updated HTML template with the validation message and the corrected 'rows="3"' attribute.

## Activity3.6

# User Information Form

Username	Password
<input type="text" value="12"/>	<input type="password"/>
Name must be at least 3 characters	
<input type="checkbox"/> Australian Resident?	Gender
<input type="text"/> <span style="float: right;">▼</span>	
Reason for joining	
<input type="text"/> <span style="float: right;">▼</span>	
<input type="button" value="Submit"/> <input type="button" value="Clear"/>	

The screenshot shows a developer's workspace for a Vue.js project. The main area is a code editor with the following code snippet:

```
66 </template>
67
68
69 <script setup>
70 // Our logic will go here
71 import { ref } from 'vue';
72
73 const formData = ref({
74   username: '',
75   password: '',
76   isAustralian: false,
77   reason: '',
78   gender: ''
79 });
80
81 const submittedCards = ref([]);
82
83 const submitForm = () => {
84   validateName(true);
85   if (!ignoreValue.username) {
86     submittedCards.value.push({ ...formData.value });
87     clearForm();
88   }
89 }
90
91 const clearForm = () => {
```

Below the code editor are tabs for DEBUG CONSOLE, TERMINAL, and PORTS. The PORTS tab shows the application running at `http://localhost:5173`. The DEBUG CONSOLE shows the following output:

```
VITE v5.3.5 ready in 694 ms

→ Local: http://localhost:5173/
→ Network: use --host to expose
→ Vue DevTools: Open http://localhost:5173/_devtools/_/ as a separate window
→ Vue DevTools: Press Alt+Shift+(F10) in App to toggle the Vue DevTools

→ press h + enter to show help
```

The right side of the interface features a sidebar with project navigation and file lists. The sidebar includes sections for PUBLIC, ASSETS, COMPONENTS, FORMS, and APP. It also lists various files like favicon.ico, index.html, and package-lock.json. A bottom status bar indicates 'No problems have been detected in the workspace.'

## Activity3.8

Form.vue

```
validatePassword (blur) => {
    const reg = /\w{8,}/;
    const ercase = /([A-Z]).test(password);
    const ercase = /([a-z]).test(password);
    const nber = /\d/.test(password);
    const scialchar = /([!@#$%^&(),.?":{}<>]).test(password);
    if (password.length < minLength) {
        errors.value.password = "Password must be at least ${minLength} characters long";
        hasuppercase();
        haslowercase();
        hasoneNumber();
        hasSpecialchar();
        errors.value.password = "Password must contain at least one special character.";
    }
    else {
        errors.value.password = null;
    }
}
```

DEBUG CONSOLE TERMINAL PORTS

12:47:12 pm [vite] `npm update` /src/components/Form.vue (x2)

REPL

EXPLORER

F10502-WEEK2

zpli-library > src > components > Form.vue > validatePassword

Aa ab<sup>\*</sup> 1 of 1 ↑ ↓ ⌂

File (e.g. text, \*\*/ts, \*\*/json)

No problems have been detected in the workspace.

### Different Password

```
16      <div v-if="errors.username" class="text-danger">{{ errors.username }}</div>
17    </div>
18    <!-- Password Field -->
19    <div class="col-md-6">
20      <label for="password" class="form-label">Password</label>
21      <input type="password" class="form-control" id="password"
22        @blur="() => validatePassword(true)"
23        @input="() => validatePassword(false)"
24        v-model="formData.password" />
25      <div v-if="errors.password" class="text-danger">{{ errors.password }}</div>
26    </div>
```

The screenshot shows a development environment for a Vue.js application. On the left, there is a "User Information Form" component. It includes fields for "Username" (with validation message "Name must be at least 3 characters"), "Password" (with validation message "Password must be at least 8 characters long"), a checkbox for "Australian Resident?", and a dropdown for "Gender" (with validation message "Please select a gender"). Below these is a "Reason for joining" text area. At the bottom are "Submit" and "Clear" buttons. On the right, the code editor displays the component's template and script sections. The template uses a card component with scoped styles. The script section contains validation logic for the password and gender fields. At the bottom, the browser developer tools show the application running at port 5173, with network requests and a list of Vue DevTools.

```
const validatePassword = (blur) => {
  const errors = { value: {} };
  const hasSpecialChar = '/[^a-zA-Z0-9_]/.test(pass);
  const hasUppercase = /[^A-Z]/.test(pass);
  const hasLowercase = /[^a-z]/.test(pass);

  if (password.length < minLength) {
    if (blur) errors.value.password = "Password must be at least 8 characters long";
  } else if (!hasUppercase) {
    if (blur) errors.value.password = "Password must contain uppercase letters";
  } else if (!hasLowercase) {
    if (blur) errors.value.password = "Password must contain lowercase letters";
  } else if (!hasSpecialChar) {
    if (blur) errors.value.password = "Password must contain special characters";
  }
  return errors;
};

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

<script>
</script>

<style scoped>
  .card {
    border: 1px solid #ccc;
    padding: 10px;
    width: fit-content;
    margin: auto;
  }
</style>
```

## Uppercase

# User Information Form

Username: Franz

Password:  \*\*\*\*\*

Password must contain at least one uppercase letter.

Australian Resident?

Gender:

Reason for joining:

**Submit** **Clear**

```
122 };
123 const validatePassword = (blur) => {
124   const password = form.value.password;
125   const minLength = 8;
126   const hasUppercase = /[A-Z]/.test(password);
127   const hasLowercase = /[a-z]/.test(password);
128   const hasNumber = /\d/.test(password);
129   const hasSpecialChar = /[^#\$%&^*(),.?{}|<>]/.test(password);
130 
131   if(password.length < minLength){
132     if(blur) errors.value.password = 'Password must be at least ${minLength}';
133   } else if(!hasUppercase){
134     if(blur) errors.value.password = "Password must contain at least one uppercase letter";
135   } else if(!hasLowercase){
136     if(blur) errors.value.password = "Password must contain at least one lowercase letter";
137   } else if(!hasNumber){
138     if(blur) errors.value.password = "Password must contain at least one number";
139   } else if(hasSpecialChar){
140     if(blur) errors.value.password = "Password must contain at least one special character";
141   } else{
142     errors.value.password = null;
143   }
144 };
145 </script>
146 
```

DEBUG CONSOLE TERMINAL PORTS node - spi-library

VITE v5.3.5 ready in 668 ms

- Local: <http://localhost:5173/>
- Network: use --host to expose
- Vue DevTools: [open http://localhost:5173/\\_devtools\\_](http://localhost:5173/_devtools_) as a separate window
- Vue DevTools: Press Alt+`Shift+I` or F12 in App to toggle the Vue DevTools

→ press h + enter to show help

★ faviconico  
  ↳ src  
    ↳ assets  
      ↳ icons  
        ↳ Form.vue U  
        ↳ HelloWorld.vue M  
        ↳ JSONVue M  
        ↳ TheWelcome.vue M  
        ↳ WelcomItem.vue M  
    ↳ App.vue M  
      ↳ main.js M  
      ↳ style.css M  
      ↳ eslintrc.js U  
    ↳ gitignore  
      ↳ .prettierrc.json  
      ↳ index.html  
      ↳ jsonconfig.js M  
      ↳ package-lock.json M  
      ↳ package.json M  
      ↳ README.md  
      ↳ vite.config.js M  
    ↳ package-lock.json M

> OUTLINE  
> TIMELINE  
↳ PROBLEMS

Filter (e.g. text: \*\*"/^ls\_\*\*")

No problems have been detected in the workspace.

The screenshot shows a developer's workspace with the following components:

- Code Editor:** Displays a file named `index.js` containing JavaScript code for password validation.
- Terminal:** Shows the command `node -zpl-library` followed by a list of local host ports (5173, 5173/\_devtools\_, 5173/\_devtools\_).
- File Explorer:** Shows the project structure with files like `favicon.ico`, `src`, `assets`, `components`, `icons`, `form-out`, `HelloWorld.vue`, `JSON.vue`, `TheWelcome.vue`, `WelcomeItem.vue`, `App.vue`, `main.js`, `# style.css`, `eslintrc.js`, `gitignore`, `prettier.json`, `index.html`, `jsonconfig.json`, `package-lock.json`, `package.json`, `README.md`, `vitex.config.js`, and `package-lock.json`.
- Output Panel:** Shows the message "VITE v5.3.5 ready in 668 ms".
- DevTools:** Shows the local host URL `http://localhost:5173/` and instructions for opening DevTools in a separate window or using the keyboard shortcut `Alt+Shift+D`.

Contain one number

User Information Form

Username: Franz

Password:  Password must contain at least one number.

Australian Resident?

Gender:

Reason for joining:

```

113     data.password = (blur) =>{
114       isword = formData.value.password;
115       minLength = 8;
116       isUpperCase = /([A-Z])/.test(password);
117       isLowerCase = /([a-z])/.test(password);
118       isNumber = /\d/.test(password);
119       isSpecialChar = /["@#$%^&(),.:{}|<>"].test(password);
120
121       word.length < minLength){
122         urr.errors.value.password = `Password must be at least ${minLength} characters`;
123         if (!hasuppercase){
124           urr.errors.value.password = `Password must contain at least one uppercase letter`;
125         }
126         if (!haslowercase){
127           urr.errors.value.password = `Password must contain at least one lowercase letter`;
128         }
129         if (!isNumber){
130           urr.errors.value.password = `Password must contain at least one number.`;
131         }
132         if (!isSpecialchar){
133           urr.errors.value.password = `Password must contain at least one special character`;
134         }
135       }
136       if (i.value.password == null){
137         i.value.password = '';
138       }
139     }
140   }
141   if (i.value.password == null){
142     i.value.password = '';
143   }
144   if (i.value.password == ''){
145     i.value.password = '';
146   }
147   if (i.value.password == ''){
148     i.value.password = '';
149   }
150   if (i.value.password == ''){
151     i.value.password = '';
152   }
153   if (i.value.password == ''){
154     i.value.password = '';
155   }
156   if (i.value.password == ''){
157     i.value.password = '';
158   }
159   if (i.value.password == ''){
160     i.value.password = '';
161   }
162   if (i.value.password == ''){
163     i.value.password = '';
164   }
165   if (i.value.password == ''){
166     i.value.password = '';
167   }
168   if (i.value.password == ''){
169     i.value.password = '';
170   }
171   if (i.value.password == ''){
172     i.value.password = '';
173   }
174   if (i.value.password == ''){
175     i.value.password = '';
176   }
177   if (i.value.password == ''){
178     i.value.password = '';
179   }
180   if (i.value.password == ''){
181     i.value.password = '';
182   }
183   if (i.value.password == ''){
184     i.value.password = '';
185   }
186   if (i.value.password == ''){
187     i.value.password = '';
188   }
189   if (i.value.password == ''){
190     i.value.password = '';
191   }
192   if (i.value.password == ''){
193     i.value.password = '';
194   }
195   if (i.value.password == ''){
196     i.value.password = '';
197   }
198   if (i.value.password == ''){
199     i.value.password = '';
200   }
201   if (i.value.password == ''){
202     i.value.password = '';
203   }
204   if (i.value.password == ''){
205     i.value.password = '';
206   }
207   if (i.value.password == ''){
208     i.value.password = '';
209   }
210   if (i.value.password == ''){
211     i.value.password = '';
212   }
213   if (i.value.password == ''){
214     i.value.password = '';
215   }
216   if (i.value.password == ''){
217     i.value.password = '';
218   }
219   if (i.value.password == ''){
220     i.value.password = '';
221   }
222   if (i.value.password == ''){
223     i.value.password = '';
224   }
225   if (i.value.password == ''){
226     i.value.password = '';
227   }
228   if (i.value.password == ''){
229     i.value.password = '';
230   }
231   if (i.value.password == ''){
232     i.value.password = '';
233   }
234   if (i.value.password == ''){
235     i.value.password = '';
236   }
237   if (i.value.password == ''){
238     i.value.password = '';
239   }
240   if (i.value.password == ''){
241     i.value.password = '';
242   }
243   if (i.value.password == ''){
244     i.value.password = '';
245   }
246   if (i.value.password == ''){
247     i.value.password = '';
248   }
249   if (i.value.password == ''){
250     i.value.password = '';
251   }
252   if (i.value.password == ''){
253     i.value.password = '';
254   }
255   if (i.value.password == ''){
256     i.value.password = '';
257   }
258   if (i.value.password == ''){
259     i.value.password = '';
260   }
261   if (i.value.password == ''){
262     i.value.password = '';
263   }
264   if (i.value.password == ''){
265     i.value.password = '';
266   }
267   if (i.value.password == ''){
268     i.value.password = '';
269   }
270   if (i.value.password == ''){
271     i.value.password = '';
272   }
273   if (i.value.password == ''){
274     i.value.password = '';
275   }
276   if (i.value.password == ''){
277     i.value.password = '';
278   }
279   if (i.value.password == ''){
280     i.value.password = '';
281   }
282   if (i.value.password == ''){
283     i.value.password = '';
284   }
285   if (i.value.password == ''){
286     i.value.password = '';
287   }
288   if (i.value.password == ''){
289     i.value.password = '';
290   }
291   if (i.value.password == ''){
292     i.value.password = '';
293   }
294   if (i.value.password == ''){
295     i.value.password = '';
296   }
297   if (i.value.password == ''){
298     i.value.password = '';
299   }
299 
```

VITE v5.3.5 ready in 668 ms

- Local: <http://localhost:5173/>
- Network: use --host to expose
- Vue DevTools: Open [http://localhost:5173/\\_devtools\\_/](http://localhost:5173/_devtools_/) as a separate window
- Vue DevTools: Press Alt+Shift+B in App to toggle the Vue DevTools

press h + enter to show help

```

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

const clearForm =() =>{

<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">
          <!-- Row for Username and Password -->
          <div class="row mb-3">
            <!-- Username Field -->
            <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>
            <!-- Password Field -->
            <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>
          <!-- Additional Fields -->
          <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"
                  @blur="() => validateAustralianResident(true)">
                <label class="form-check-label" for="isAustralian">Australian Resident?</label>
                <div v-if="errors.resident" class="text-danger">{{ errors.resident }}</div>
              </div>
            </div>
          </div>
        </form>
      </div>
    </div>
  </div>

```

User Information Form

Username

Name must be at least 3 characters

Password

Password must be at least 8 characters long.

Australian Resident? Please confirm if you are an Australian resident.

Gender

Select Gender

Please select a gender.

Reason for joining

Please provide a reason for joining.

Submit Clear

```

3 <div class="row">
4   <div class="col-md-8 offset-md-2">
5     <form @submit.prevent="submitForm">
6       <div v-if="errors.password" class="text-danger">{{ errors.password }}</div>
7       <div v-if="errors.resident" class="text-danger">{{ errors.resident }}</div>
8       <div>
9         Additional Fields ->
10        <div class="row mb-3">
11          <div class="col-md-6">
12            <div class="form-check">
13              <input type="checkbox" class="form-check-input" id="isAustralian" v-model="formData.isAustralian" @blur="() => validateAustralianResident(true)">
14              <label class="form-check-label" for="isAustralian">Australian Resident</label>
15            </div>
16          </div>
17        </div>
18      <div class="col-md-6">
19        <label for="gender" class="form-label">Gender:</label>
20        <select class="form-select" id="gender" v-model="formData.gender">
21          <option value="">>Select Gender</option>
22          <option value="Male">>Male</option>
23          <option value="Female">>Female</option>
24          <option value="Other">>Other</option>
25        </select>
26      <div v-if="errors.gender" class="text-danger">{{ errors.gender }}</div>
27    </div>
28  </div>
29  <div class="mb-3">
30    <label for="reason" class="form-label">Reason for joining:</label>
31    <input type="text" id="reason" v-model="formData.reason" @input="() => validateReason(true)">
32    <div v-if="errors.reason" class="text-danger">{{ errors.reason }}</div>
33  </div>
34  <div>
35    <button type="submit" class="btn btn-primary">Submit</button>
36    <button type="button" class="btn btn-secondary">Clear</button>
37  </div>
38</div>
39</div>
40</div>
41</div>
42</div>
43</div>
44</div>
45</div>
46</div>
47</div>
48</div>
49</div>
50</div>
51</div>

```

DEBUC CONSOLE TERMINAL PORTS node-zpei-library

VITE v5.3.5 ready in 877 ms

→ Local: http://localhost:5173/

→ Network: use --host to expose

→ Vue DevTools: Open http://localhost:5173/\_devtools/\_ as a separate window

→ Vue DevTools: Press Alt+Shift+F0 in App to toggle the Vue DevTools

→ press h + enter to show help

## Activity4

main.js

User Information Form

Username

Australian Resident?

Please confirm if you are an Australian resident.

Gender

Select Gender

Reason for joining

Submit Clear

Username	Password	Australian Resident	Gender	Reason
Franz	dsds1122!!	true	male	For joy
wwyy	sdsdsd122!*	false	female	pppppw

```

1 import { createApp } from 'vue'
2 import App from './App.vue'
3
4 // Import bootstrap CSS
5 import 'bootstrap/dist/css/bootstrap.min.css'
6 // Import primevue styles
7 import PrimeVue from 'primevue/config';
8 import Aria from '@primevue/themes/aura';
9
10 const app = createApp(App)
11 app.use(PrimeVue, {
12   theme: Aria,
13   preset:Aria
14 });
15
16 createApp(App).mount('#app')
17
18
19
20
21
22

```

DEBUC CONSOLE TERMINAL PORTS node-zpei-library

→ Local: http://localhost:5174/

→ Network: use --host to expose

→ Vue DevTools: Open http://localhost:5174/\_devtools/\_ as a separate window

→ Vue DevTools: Press Alt+Shift+F0 in App to toggle the Vue DevTools

→ press h + enter to show help

## Modify Display sheet

User Information Form

Username

Password

Australian Resident?

Please confirm if you are an Australian resident.

Gender

Select Gender

Reason for joining

Submit Clear

Username	Password	Australian Resident	Gender	Reason
Franz	dsds1122!!	true	male	For joy
wwyy	sdsdsd122!*	false	female	pppppw

```

3 <div class="row">
4   <div class="col-md-8 offset-md-2">
5     <form @submit.prevent="submitForm">
6       <div>
7         <div v-for="card, index in submittedCards" :key="index" class="content-m-2">
8           <div class="card-header">
9             <div class="header-item">Username:</div>
10            <div class="header-item">Password:</div>
11            <div class="header-item">Australian Resident:</div>
12            <div class="header-item">Gender:</div>
13            <div class="header-item">Reason:</div>
14          </div>
15          <div v-for="(card, index) in submittedCards" :key="index" class="content-m-2">
16            <div class="card">
17              <ul class="list-group">
18                <li class="list-group-item">{{ card.username }}</li>
19                <li class="list-group-item">{{ card.password }}</li>
20                <li class="list-group-item">{{ card.isAustralian }}</li>
21                <li class="list-group-item">{{ card.gender }}</li>
22                <li class="list-group-item">{{ card.reason }}</li>
23              </ul>
24            </div>
25          </div>
26        </div>
27      </div>
28    </div>
29    <template>
30      <script setup>
31        'Our logic will go here
32      </script>
33    </template>
34  </div>
35</div>
36</div>
37</div>
38</div>
39</div>
40</div>
41</div>
42</div>
43</div>
44</div>
45</div>
46</div>
47</div>
48</div>
49</div>
50</div>
51</div>

```

DEBUC CONSOLE TERMINAL PORTS node-zpei-library

→ Local: http://localhost:5174/

→ Network: use --host to expose

→ Vue DevTools: Open http://localhost:5174/\_devtools/\_ as a separate window

→ Vue DevTools: Press Alt+Shift+F0 in App to toggle the Vue DevTools

→ press h + enter to show help

## Style

The screenshot shows a user interface for a "User Information Form" and its source code in a code editor.

**User Information Form:**

- Username:
- Password:
- Australian Resident?  true
- Gender:  male  female  other
- Reason for joining:  For joy
- Submit  Clear

**Code Editor:**

```
213 .card-header__header_item{  
214   width: 25%;  
215   text-align: left;  
216 }  
217 .content {  
218   width: 100%;  
219   border-top: 1px solid #ccc;  
220 }  
221 .content-group{  
222   width: 100%;  
223   padding: 10px;  
224   display: flex;  
225   justify-content: space-between;  
226   list-style: none;  
227   margin: 0;  
228   padding: 0;  
229   padding-left: 20px;  
230 }  
231 .content-group li{  
232   width: 25%;  
233   text-align: left;  
234   height: 50px;  
235   line-height: 50px;  
236 }  
237  
238 </style>  
239
```

## Github History

The screenshot shows a GitHub commit history for the repository "Franz / MONASH\_IT\_MASTER / FIT5032Internet\_applications\_development".

**Commits:**

- Commits on Aug 16, 2024:
  - update the file** by Franz-Pei committed 6 hours ago. Commit hash: d23b738. Actions: copy, download, diff, view.
  - update a new file named fit5032-week4** by Franz-Pei committed 7 hours ago. Commit hash: 24c83a6. Actions: copy, download, diff, view.
  - Add the week3 efolio** by Franz-Pei committed 7 hours ago. Commit hash: be704b9. Actions: copy, download, diff, view.
- Commits on Aug 8, 2024:
  - Create assignment rep and Week3** by Franz-Pei committed last week. Commit hash: aef9c1e. Actions: copy, download, diff, view.
- Commits on Aug 2, 2024:
  - late the FIT5032 week2 efilo** by Franz-Pei committed 2 weeks ago. Commit hash: b189905. Actions: copy, download, diff, view.
- End of commit history for this file.

Showing 30 changed files with 5,416 additions and 0 deletions.

Whitespace Ignore whitespace Split Unified

The screenshot shows a GitHub pull request interface. On the left, there's a file tree of the repository structure. On the right, two code diff panes are displayed side-by-side.

**Top Diff (File 21):**

```
...IT_MASTER/FIT5032Internet_applications_development/fit5032-w... ↗
...
@@ -0,0 +1,21 @@
1 + import { createApp } from 'vue'
2 + import App from './App.vue'
3 +
4 +
5 + // Import bootstrap CSS
6 + import 'bootstrap/dist/css/bootstrap.min.css'
7 + // import './style.css'
8 +
9 + // PrimeVue styles
10 + import Primevue from 'primevue/config';
11 + import Aura from '@primevue/themes/aura';
12 +
13 + const app = createApp(App)
14 +
15 + app.use(Primevue, {
16 +   theme: {
17 +     preset:Aura
18 +   }
19 + });
20 +
21 + createApp(App).mount('#app')
```

**Bottom Diff (File 25):**

```
..._MASTER/FIT5032Internet_applications_development/fit5032-wee... ↗
...
@@ -0,0 +1,25 @@
1 + /* Tag selectors */
2 + h1 {
3 +   text-align: center;
4 +   margin-top: 20px;
5 +   text-shadow: 4px 4px 8px rgba(0, 0, 0, 0.5);
6 + }
7 + /* Class selectors */
8 + .form {
9 +   text-align: center;
```