

Vanier College  
Computer Science Department

# **TIVI - A Productivity Application User Manual**

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## Introduction:

The TIVI is a GUI application that serves as a productivity app. In this program, the user will be able to keep track of personal schedule, task and budget. The user can also use the calculator, stopwatch, countdown and notes to easier manage their daily event and time. This user's manual will provide a detailed explanation of all features included in this productivity application.

## Interactive Features:

In recent years, productivity applications have become more and more popular since people can clearly see and manage their schedules through these apps. TIVI- productivity application makes time management easier and provides tools to help enhance productivity. Some of the major features of this applications include:

- **Calendar:** display and updated each month's events and tasks
- **To do list:** display the task of user need to do and update it if user finish and delete the task
- **Stopwatch:** measure the amount of time
- **Finance:** display and update the daily expenses of user
- **Countdown:** a virtual clock that counts down form the time of user set
- **Notes:** display the notes taken by user

## Graphical User Interface:

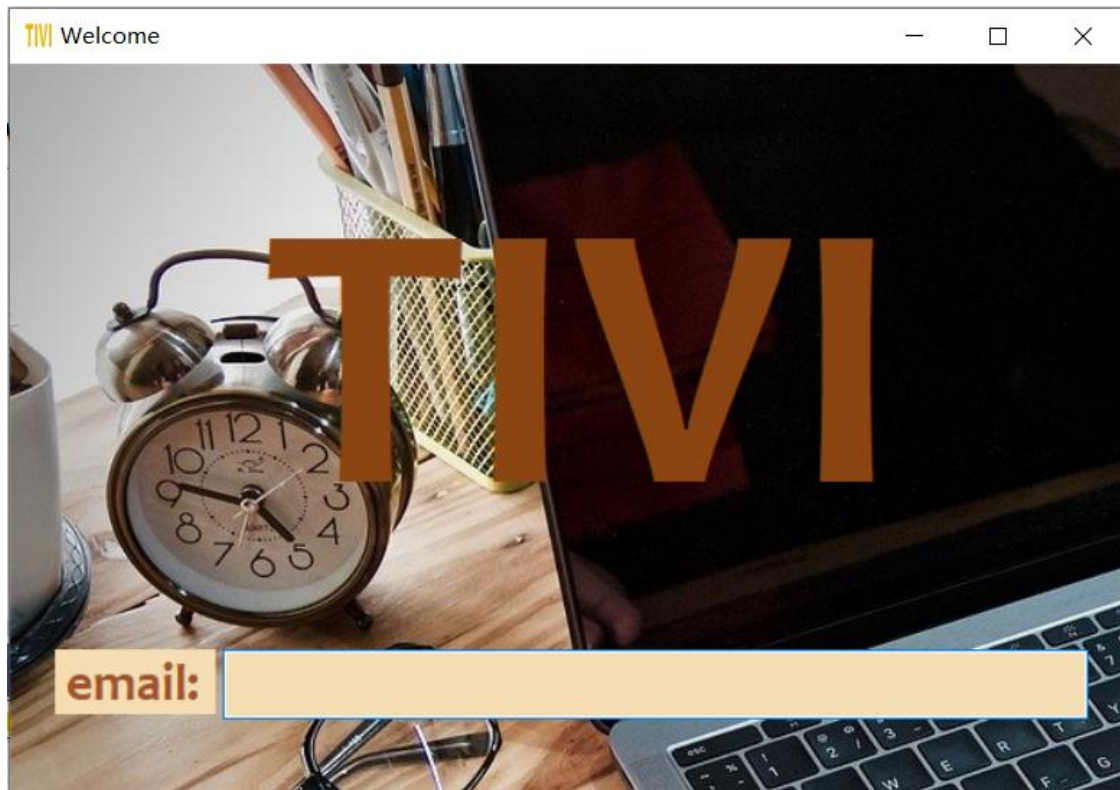


## Basic UI:

This application is programmed using the C# language and comes with a very simple user interface and has a light design. The user can log in with their email. If it's the user's first time using our application, they will be prompted to create an account which will then be added to our database. If the user has already registered, a welcome page will open following email validation through our database.

## Application Features:

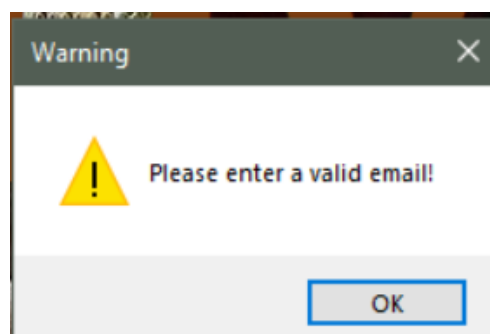
### Log In page



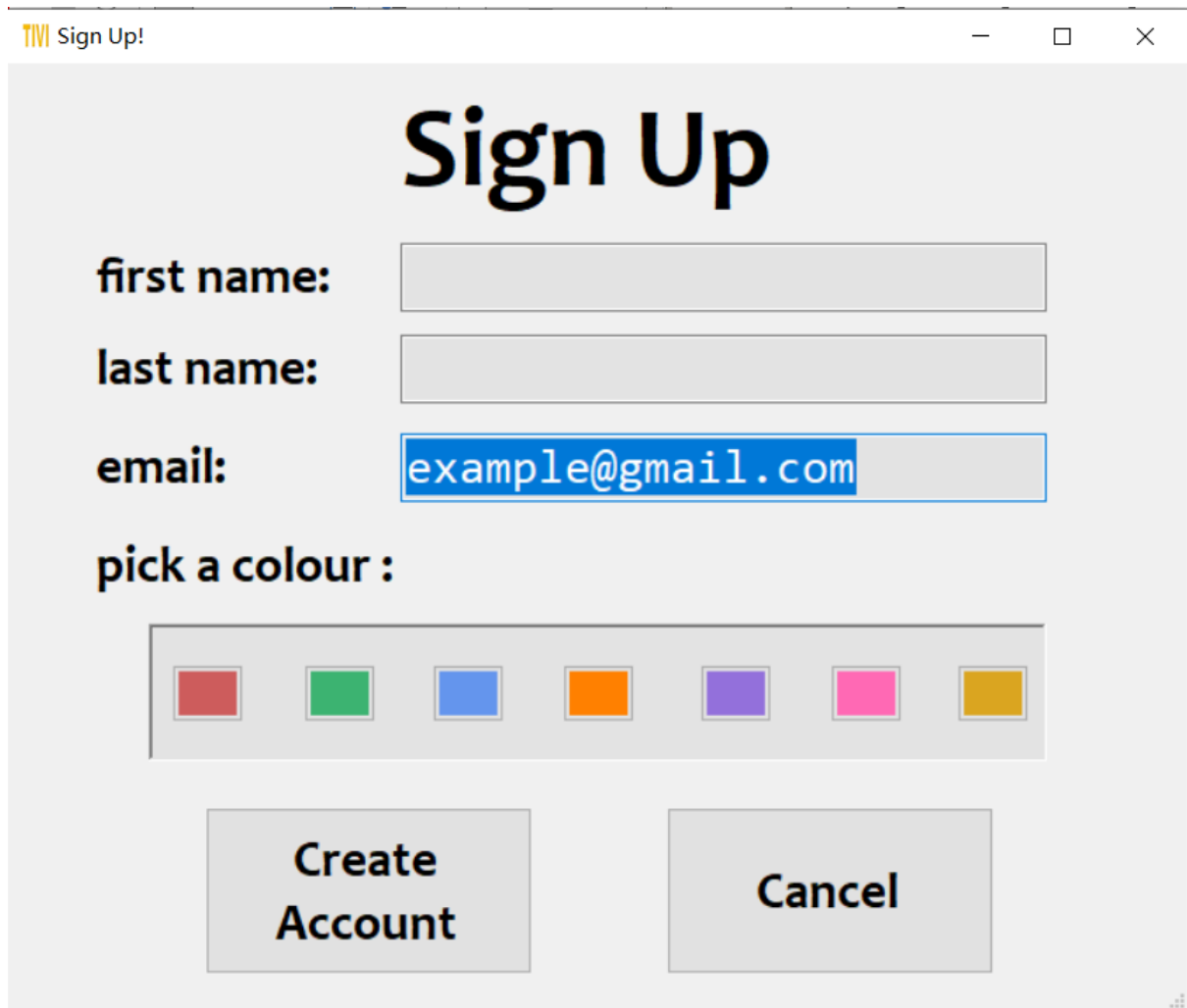
In the **Log In** page: the user has to enter a unique email in order to access his or her account. Once the information has been entered, the user can press **"Enter"** to login. At the same time **"Enter"** will verify if the entered data is valid. If the email is not valid, an error message will be displayed. If the email is valid but not found in our database, the user will be prompted to create an account.

### Exception Handling in log in page:

- The email must be a valid email
  - If the email is invalid, a message box will display the warning "Please enter a valid email!"



## Sign up page



The screenshot shows a web browser window titled "TIVI Sign Up!". The page has a light gray background. At the top, the text "Sign Up" is displayed in a large, bold, black font. Below this, there are four input fields with labels to their left: "first name:", "last name:", "email:", and "pick a colour :". The "email:" field contains the text "example@gmail.com" and is highlighted with a blue border. Below the "pick a colour :" label, there is a horizontal row of seven colored squares: red, green, blue, orange, purple, pink, and yellow. At the bottom of the form, there are two buttons: "Create Account" and "Cancel".

If it is the user's first time using our application with entered email, the user will jump to sing up page. In the sign-up page, it will automatically save the email entered during login page. The user can pick the color he/she prefers as the background color of the application. The default color is white.

If the user does not want to sign up, he/she can click "**Cancel**" button to exit the application. When the user has entered valid information and clicked "**Create Account**" button, he/she will be redirected to the application menu, or "Welcome" page.

## Exception Handling in sign up page:

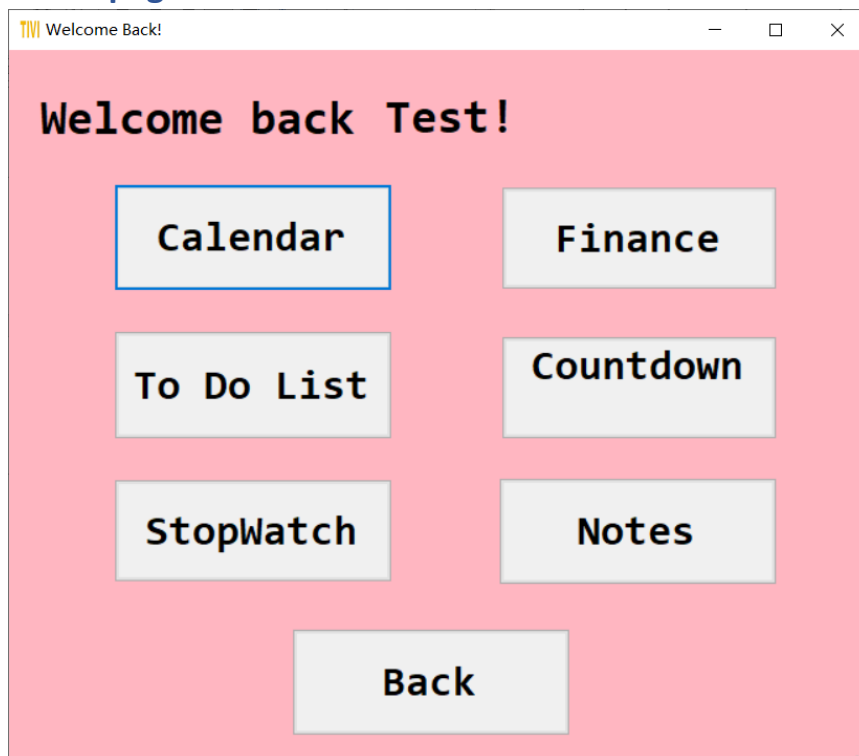
- The first name cannot be empty



- The last name cannot be empty



## Menu page



In the menu page, it will display the user's first name and the user can see all the function in this application and choose what he/she wants to do by clicking the specific button.

Clicking "**Back**" button to go back to login page.



## Calendar page

Calendar

December 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			01	02	03	04
05	06	07	08	09	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Back To Main Menu Previous Next

In the calendar page, it will display and updated each month's events and tasks. The user will go back to the menu page when clicks the "Back To Main Menu" button. The "Previous" and "Next" button will display the previous month and next month. When use clicks the day, he/she can add the event or task. The add event page will be displayed.

Add an Event

Date

12/08/2021

Event

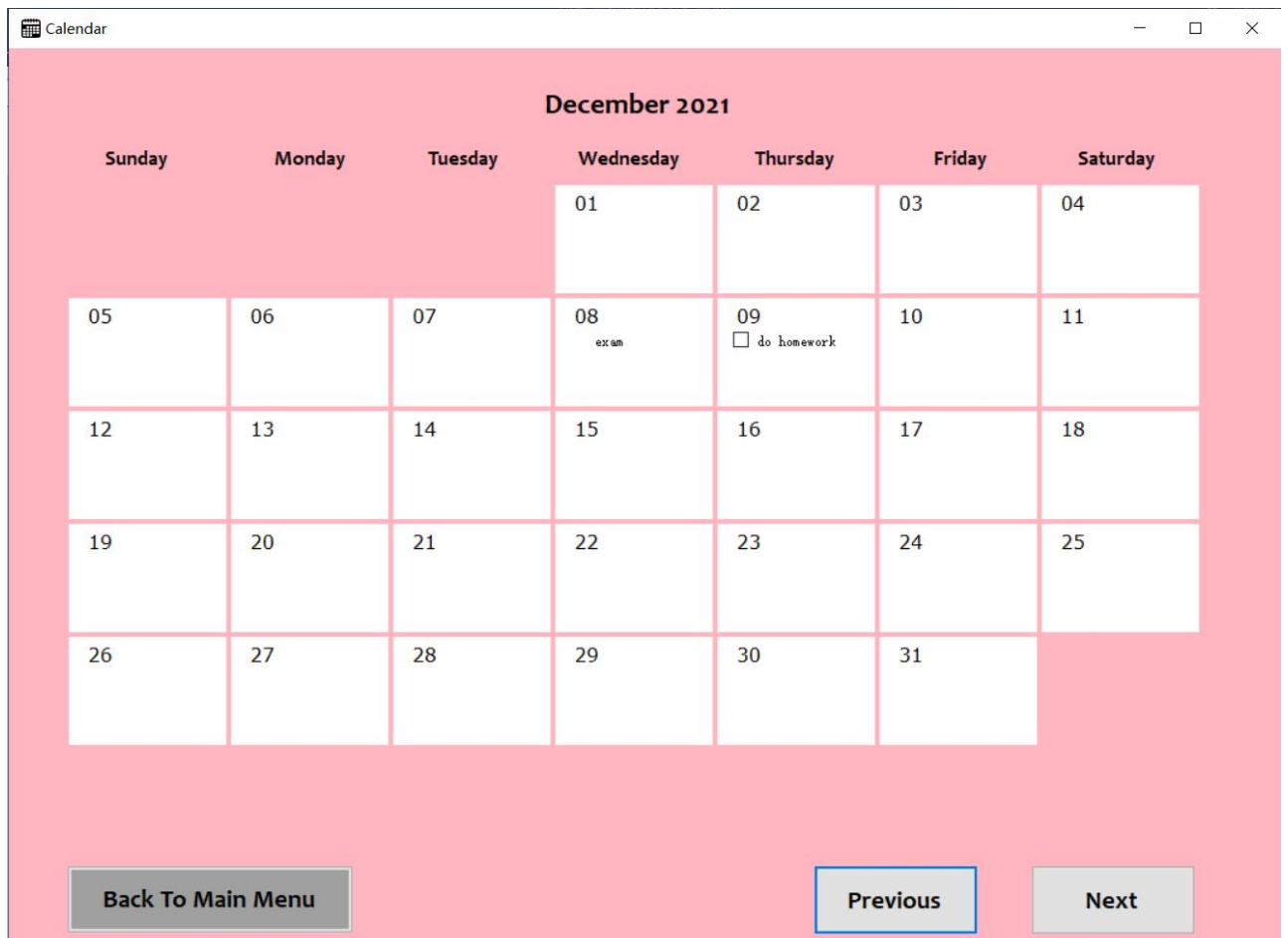
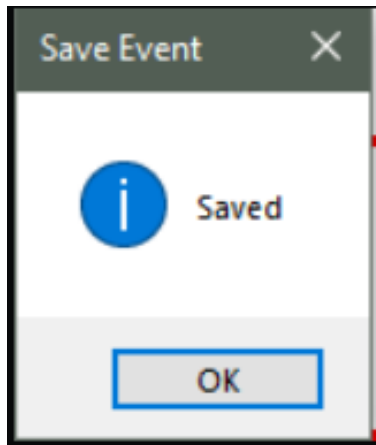
Type

☐ Event ☐ Task

Save

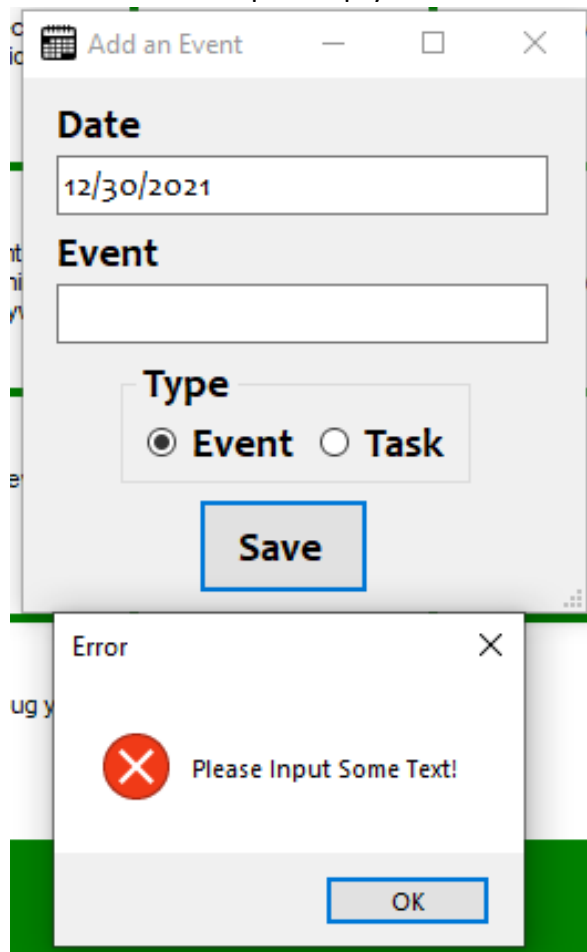
The user can choose it is an event or task by clicking Radio Button.

When user clicked “save” button”, the popup message will display saved. The events and tasks will be display on the calendar.



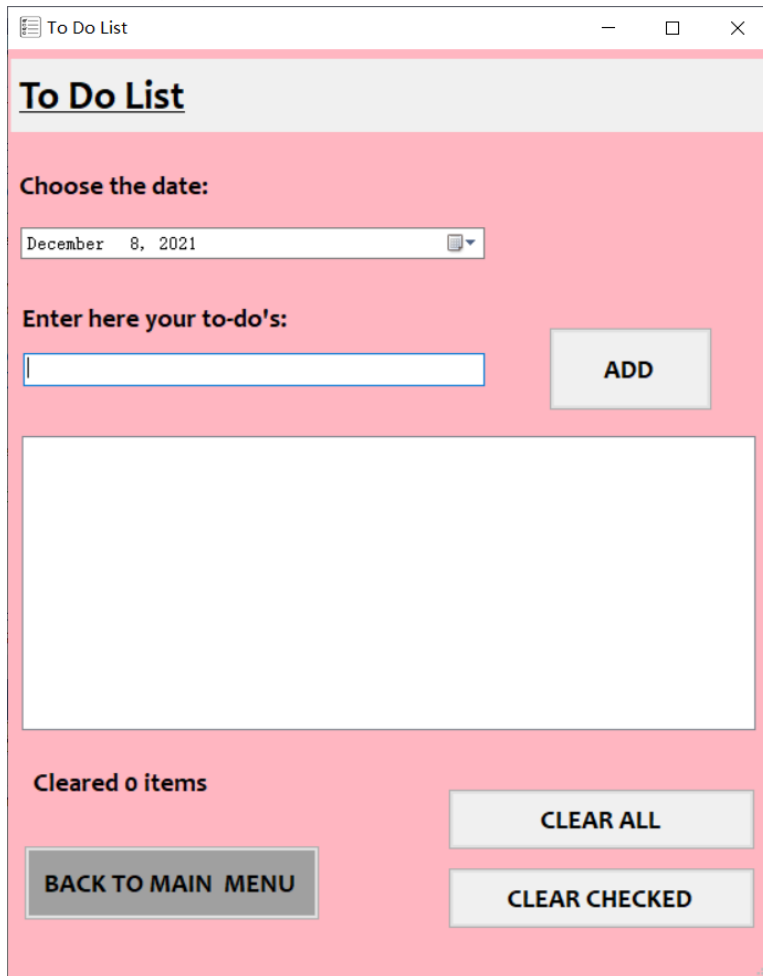
### Exception Handling in Calendar page:

- The user cannot input empty when add an event or task



The image shows a screenshot of a web application interface. In the foreground, there is a dialog box titled "Add an Event". It contains a "Date" field with the value "12/30/2021", an "Event" field which is empty, and a "Type" section with two radio buttons: "Event" (selected) and "Task". Below these fields is a "Save" button. In the background, partially obscured by the dialog box, is another dialog box titled "Error". It features a red circle with a white 'X' icon and the text "Please Input Some Text!". At the bottom of the error dialog is an "OK" button.

## To do list page



The screenshot shows a web browser window titled "To Do List". The page has a light pink background. At the top, there is a header bar with the title "To Do List" in bold black text. Below the header, the main content area contains the following elements:

- A label "Choose the date:" followed by a date picker showing "December 8, 2021".
- A label "Enter here your to-do's:" followed by a text input field and an "ADD" button.
- A large empty rectangular box for the task list.
- A status message "Cleared 0 items" on the left.
- Three buttons at the bottom: "BACK TO MAIN MENU" (dark grey), "CLEAR ALL" (light grey), and "CLEAR CHECKED" (light grey).

In to do list page, the user can choose the date of the task and add the task, remove the tasks that have been completed and remove all the tasks. The user will go back to the menu page when the "Menu" button is clicked.

The user can choose the date of the task through the data time picker. When the user clicks the “ADD” button, the task will be added and display in the page. The user can remove the finished task by clicking “CLEAR CHECKED” button and the number of tasks to be removed will be displayed. The user can double click the task check the checkbox and click again to uncheck it.

The screenshot shows a web application window titled "To Do List". It has a pink background. At the top, there's a header "To Do List". Below it, a section "Choose the date:" contains a date picker showing "12/17/2021". Underneath is a text input field labeled "Enter here your to-do's:" and an "ADD" button. A list of tasks is displayed below, each with a checkbox and a date. The tasks are: "test 1" (unchecked, Dec 16, 2021), "test2" (checked, Dec 17, 2021), "test3" (unchecked, Dec 17, 2021), and "task4" (checked, Dec 17, 2021). At the bottom, there's a status bar showing "Cleared 0 items" and two buttons: "CLEAR ALL" and "CLEAR CHECKED". A "BACK TO MAIN MENU" button is also present.

Task	Checkbox	Date
test 1	<input type="checkbox"/>	December 16, 2021
test2	<input checked="" type="checkbox"/>	December 17, 2021
test3	<input type="checkbox"/>	December 17, 2021
task4	<input checked="" type="checkbox"/>	December 17, 2021

This screenshot shows the same "To Do List" application after the "CLEAR CHECKED" button has been clicked. The status bar now displays "Cleared 2 items of a total of 4 items". The "CLEAR CHECKED" button is highlighted with a blue border. The task list now only contains the unchecked tasks: "test 1" (unchecked, Dec 16, 2021) and "test3" (unchecked, Dec 17, 2021). The "test2" and "task4" tasks have been removed from the list.

Task	Checkbox	Date
test 1	<input type="checkbox"/>	December 16, 2021
test3	<input type="checkbox"/>	December 17, 2021

The user can remove all the task by clicking “CLEAR ALL” button.

To Do List

## To Do List

Choose the date:

12/17/2021

Enter here your to-do's:

ADD

Cleared all items

BACK TO MAIN MENU

CLEAR ALL

CLEAR CHECKED

### Exception Handling in Calendar page:

- The user cannot input empty when add a task

Enter here your to-do's:

ADD

die now

less task

December 7, 2021

December 9, 2021

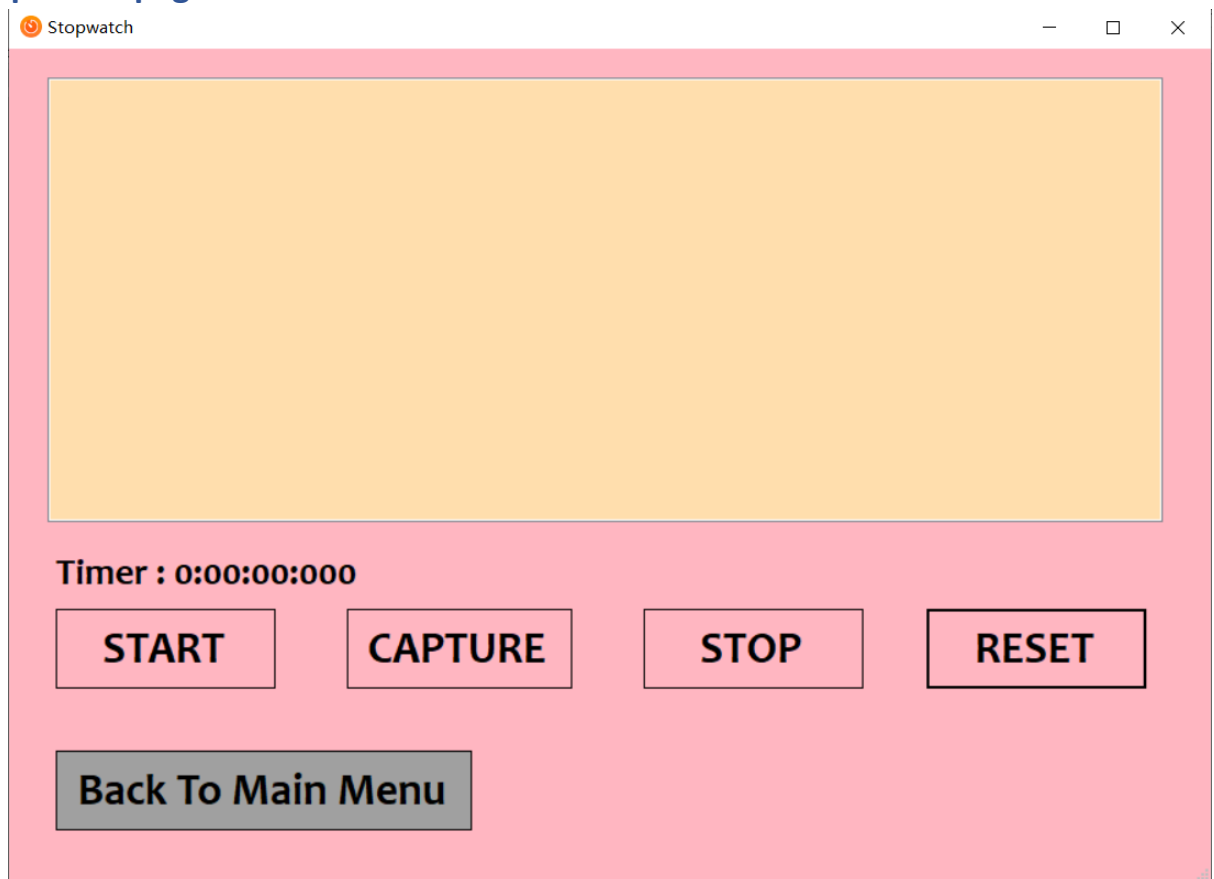
December 9, 2021

Error

Please Input Some Text!

OK

## Stopwatch page

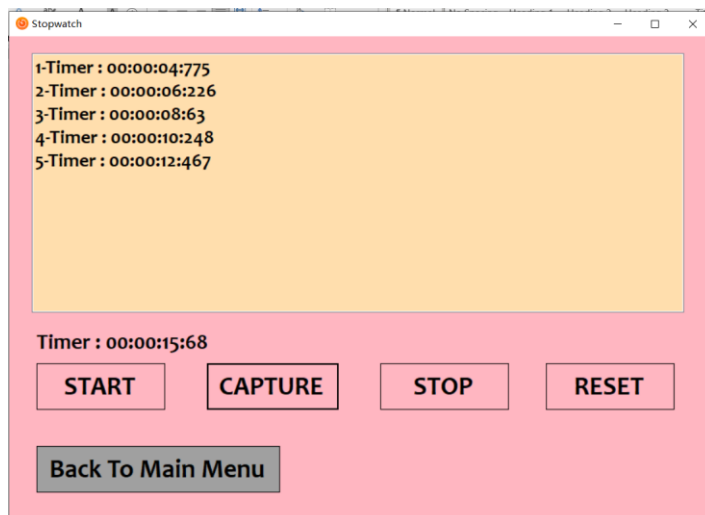


In the stopwatch page, the user can measure the amount of time and capture any time (similar to "lap"). The time of capture will be displayed.

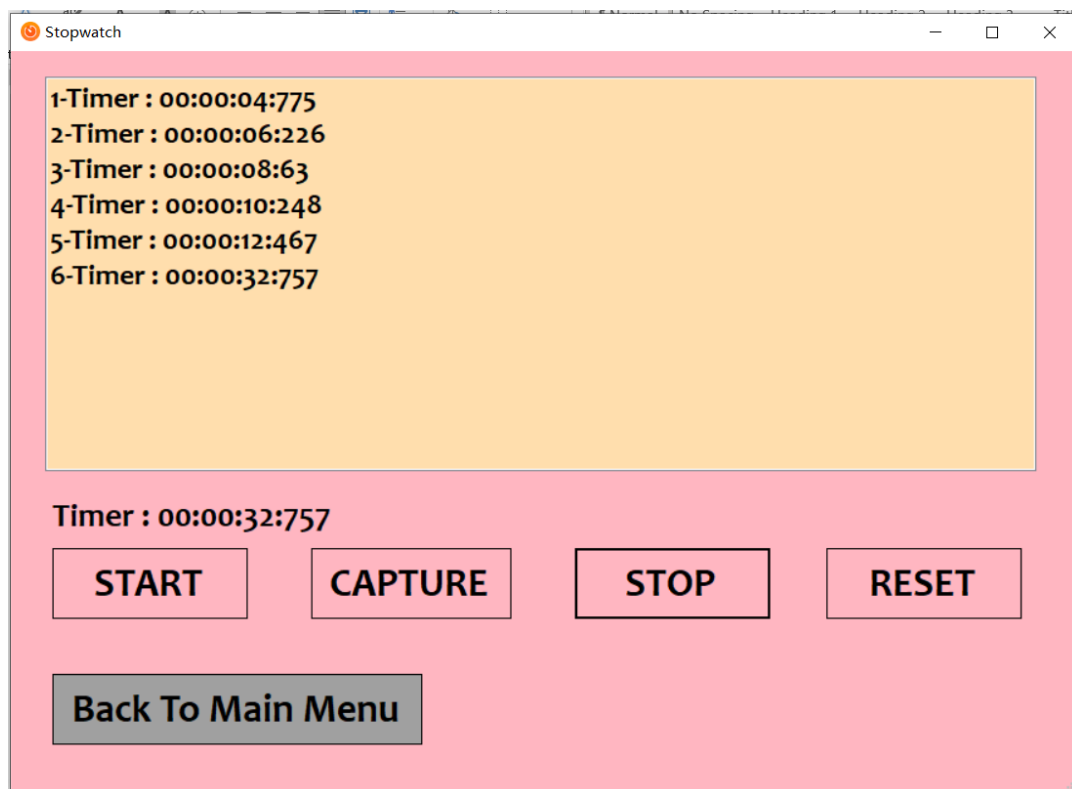
Clicking "**Back To Main Menu**" button to go back to menu page.

Clicking "**START**" button to start measure the time

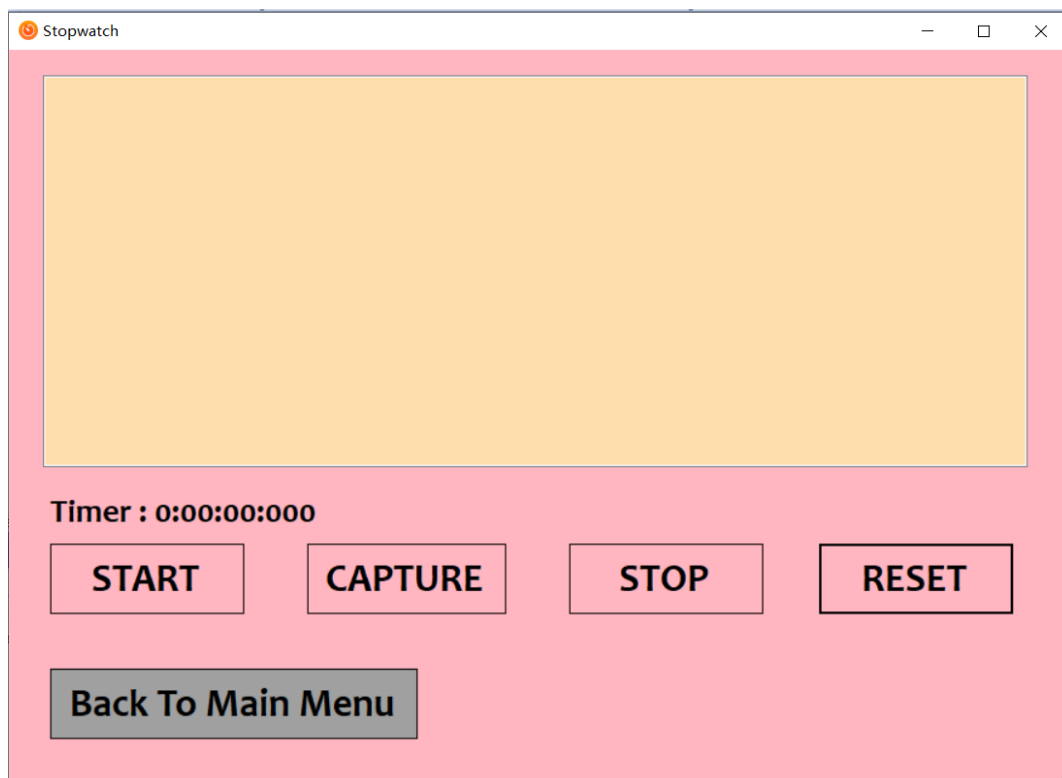
Clicking "**CAPTURE**" button to get the time of capture and will be displayed



Clicking **"STOP"** button to pause the measure



Clicking **"RESET"** Button to clear the capture and reset the stopwatch





## Finance page

Finance

Enter the name

Enter the cost

☐ Bills ☐ Food ☐ Transportation ☐ Investments ☐ Entertainment ☐ Miscellaneous

Bills:

Food:

Transportation:

Entertainment:

Investments:

Misc:

Budget Chart

Copy Reset Clear /

7 8 9 \*

4 5 6 .

1 2 3 +

0 =

In the budgeting page, the user can add his/her expenses and generate the report. The user can choose the type of each expenditure.

Clicking “Add Data” button to add the cost in database.

Clicking “Generate Report” to generate the budget report and display in the page

The user can use Calculate to calculate the cost if he/she want

The user can go back to menu page by clicking “Back To Main Menu” button

Finance

Enter the name

Enter the cost

☐ Bills ☐ Food ☒ Transportation ☐ Investments ☐ Entertainment ☐ Miscellaneous

Bills:

Food: \$29.99 (31.24%)

Transportation: \$66.00 (68.76%)

Entertainment:

Investments:

Misc:

Budget Chart

Copy Reset Clear /

7 8 9 \*

4 5 6 .

1 2 3 +

0 =

Costs 12-08-2021 08:43 PM

=====

cake food \$29.99

Costs 12-08-2021 08:43 PM


=====

cake food \$29.99

open card -transportation \$66.00

## Exception in Budgeting page

- The input data cannot be null

 Finance

Enter the name

Enter the cost

☐ Bills

☐ Food

☐ Transportation

☐ Investments

☐ Entertainment

☐ Miscellaneous

Generate Report


Add Data

Not a valid number

Please select a category

Not a valid name

- The cost needs to be a number

 Finance

Enter the name

cake

Enter the cost

ten

☐ Bills

☒ Food

☐ Transportation

☐ Investments

☐ Entertainment


☐ Miscellaneous

Generate Report

Add Data

Not a valid number

- Must to choose a category

 Finance

Enter the name

cake

Enter the cost

29.88

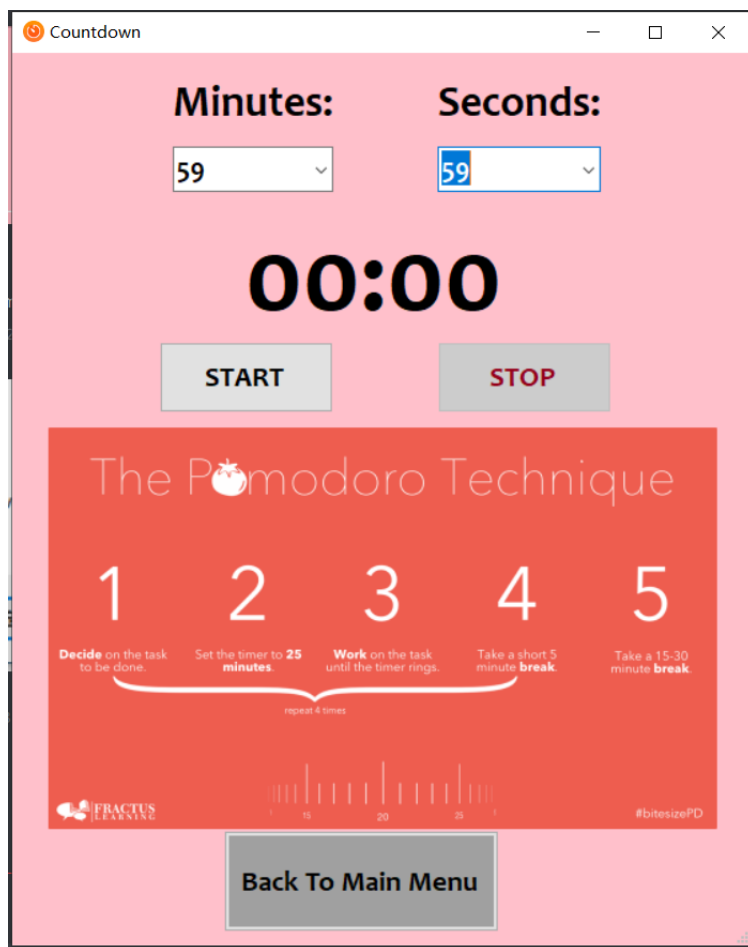
☐ Bills ☐ Food ☐ Transportation ☐ Investments ☐ Entertainment ☐ Miscellaneous

Generate Report

Add Data

Please select a category

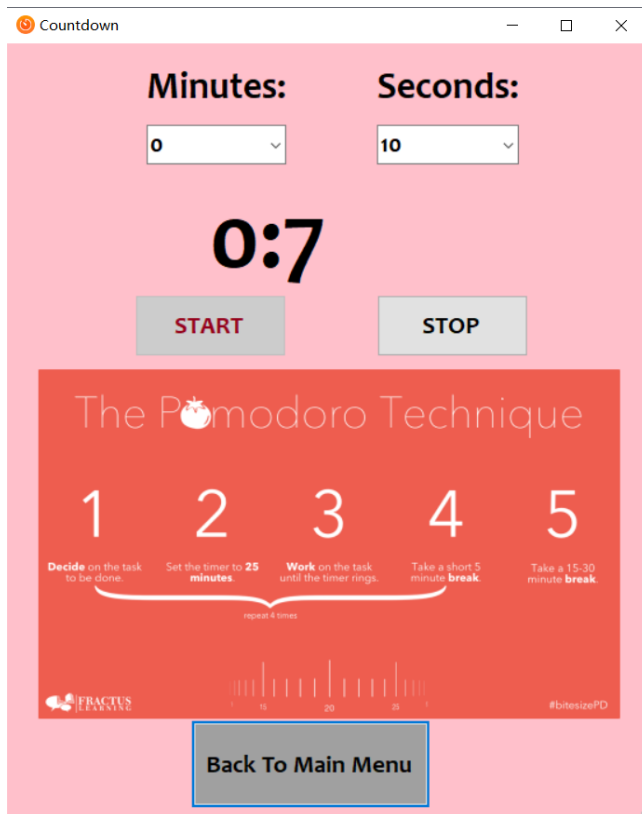
## Countdown page



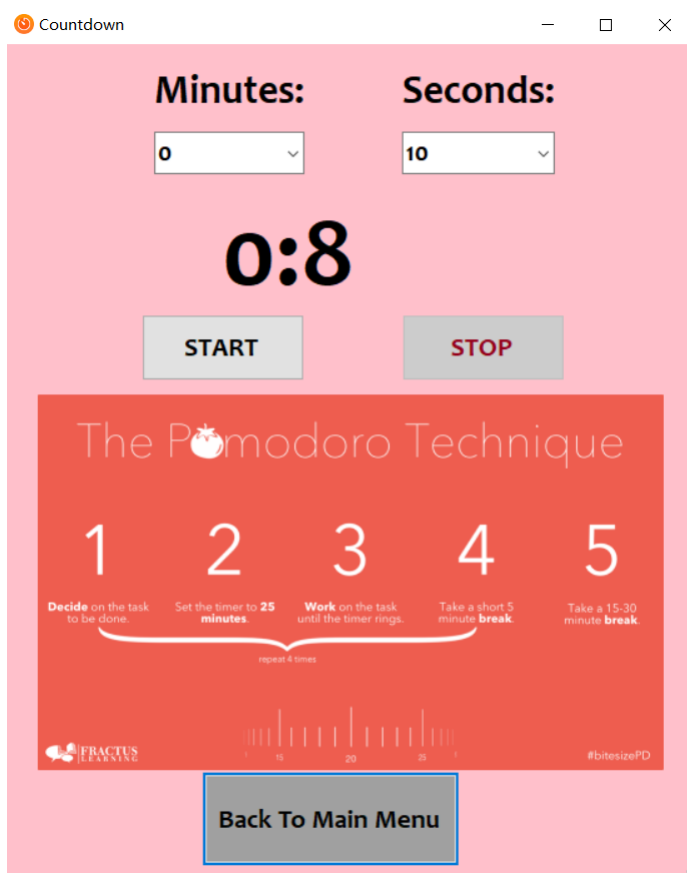
In the countdown page, there is a virtual clock that counts down from the time chosen by the user.

The user can set the time from one second to 59 minutes 59 seconds.

Clicking “**START**” button start to count down



Clicking “STOP” button to pause the countdown.



When the time is up, the popup message will display “Time’s up” to remainder the user and play a sound.

The image shows a digital timer application interface. At the top, there are two labels: "Minutes:" and "Seconds:". Below "Minutes:" is a dropdown menu showing the value "0". Below "Seconds:" is a dropdown menu showing the value "25". In the center, a large digital display shows "00:00". Below the display are two buttons: "START" and "STOP". A popup message box is overlaid on the right side of the interface. The popup has a close button (X) in the top right corner, the text "Time's up!" in the center, and an "OK" button at the bottom.

## Notes page

The snip of notes page

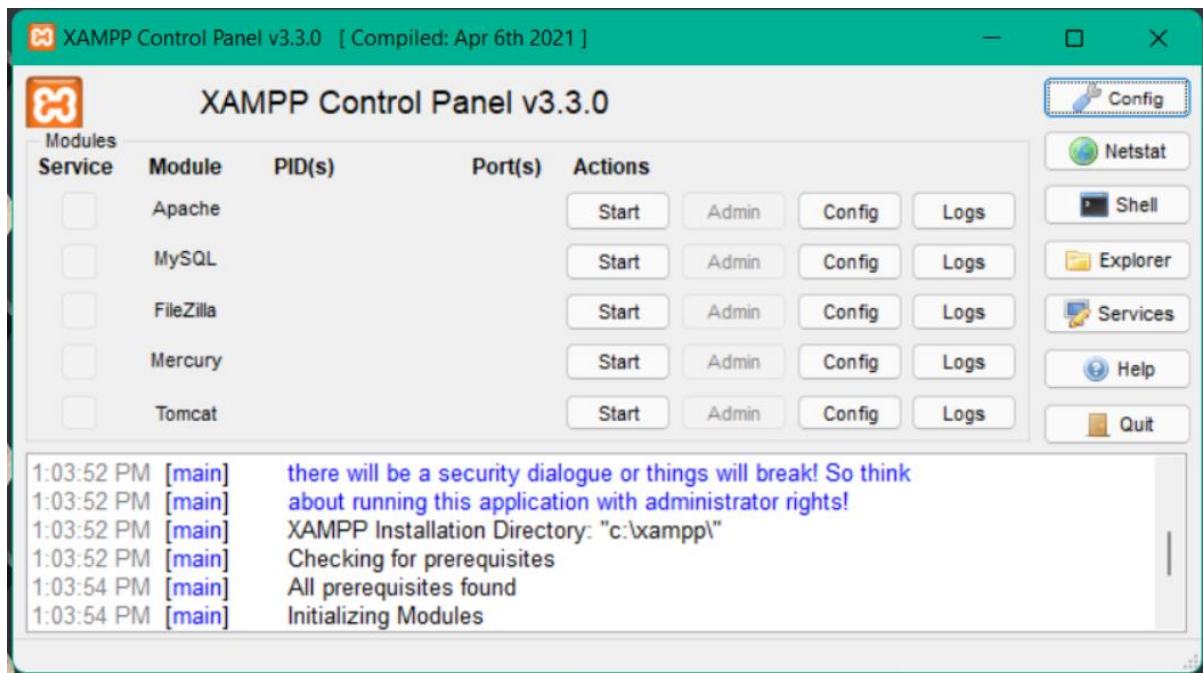
The user can take notes in this page.

## Additional software required to support project application software

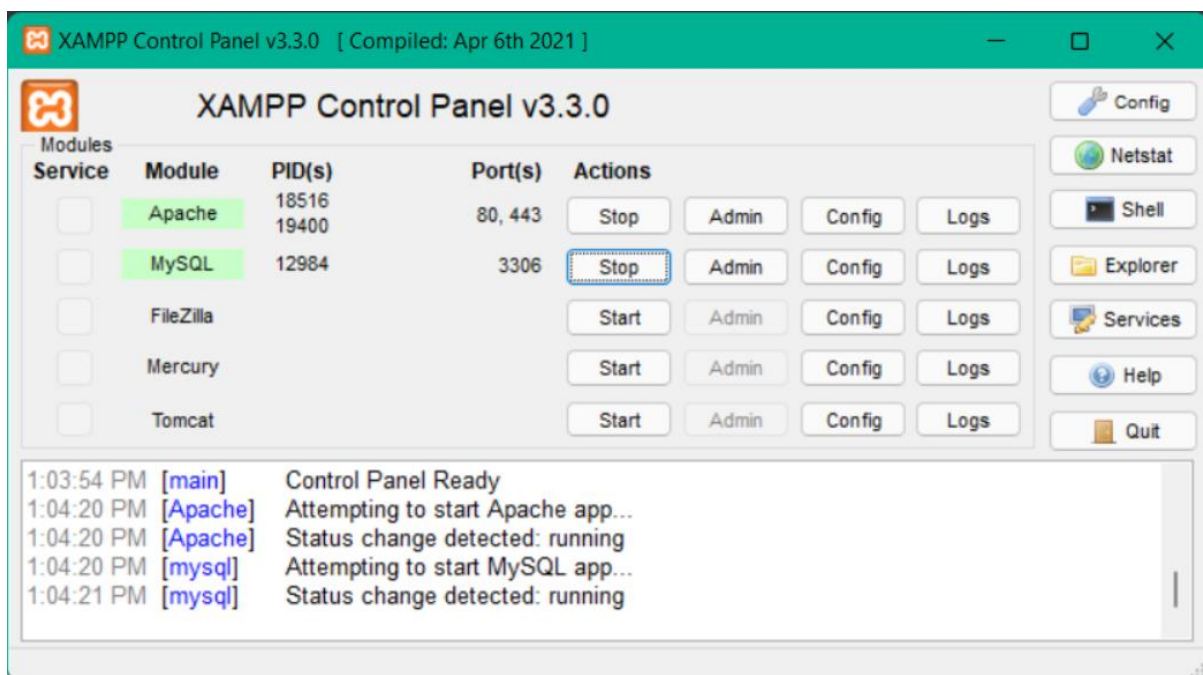
Step 1: Download XAMPP from the link:

<https://www.apachefriends.org/download.html>

Step 2: open XAMPP and click on it, open the control panel



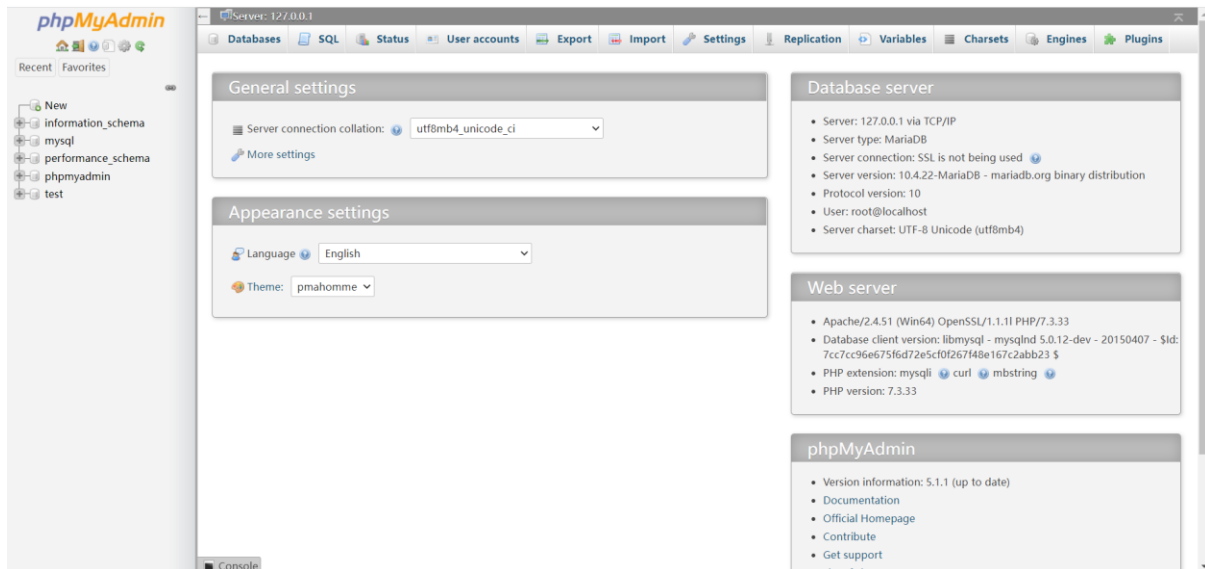
Step 3: start the process for apache and mySQL by clicking “start”



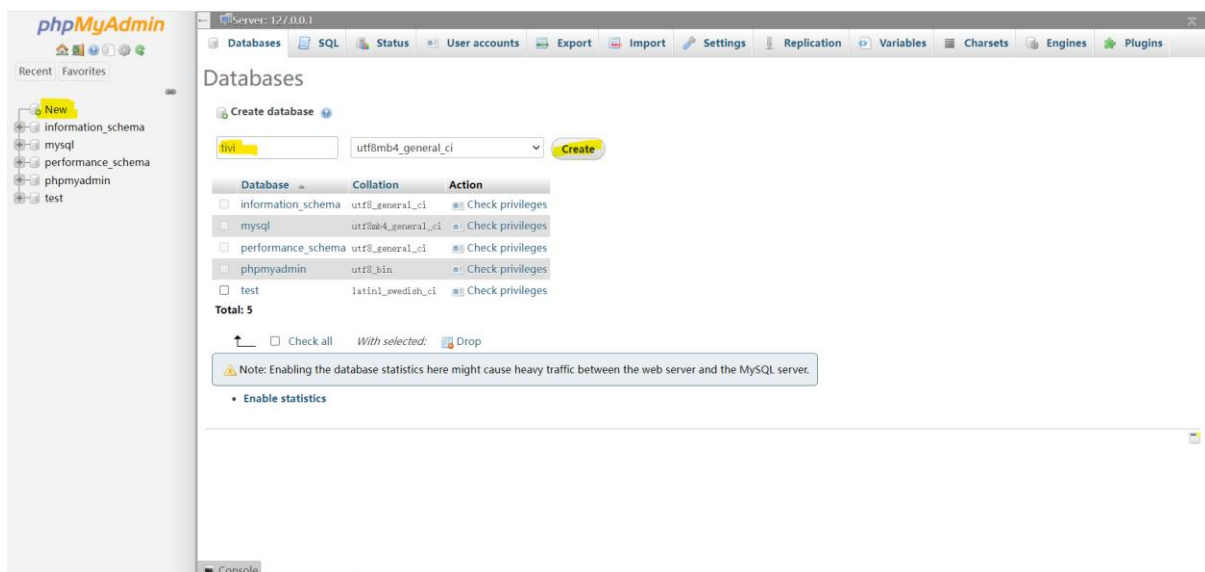


Step 4: open a browser and type <http://localhost/phpmyadmin/>

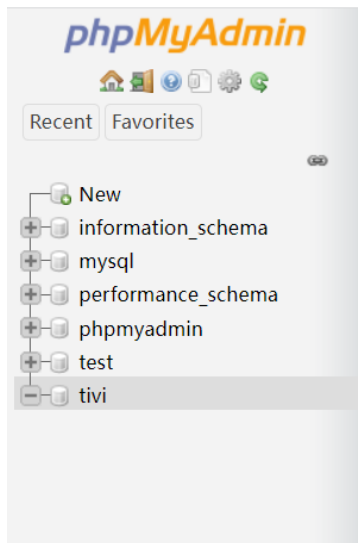
Then you will get this page



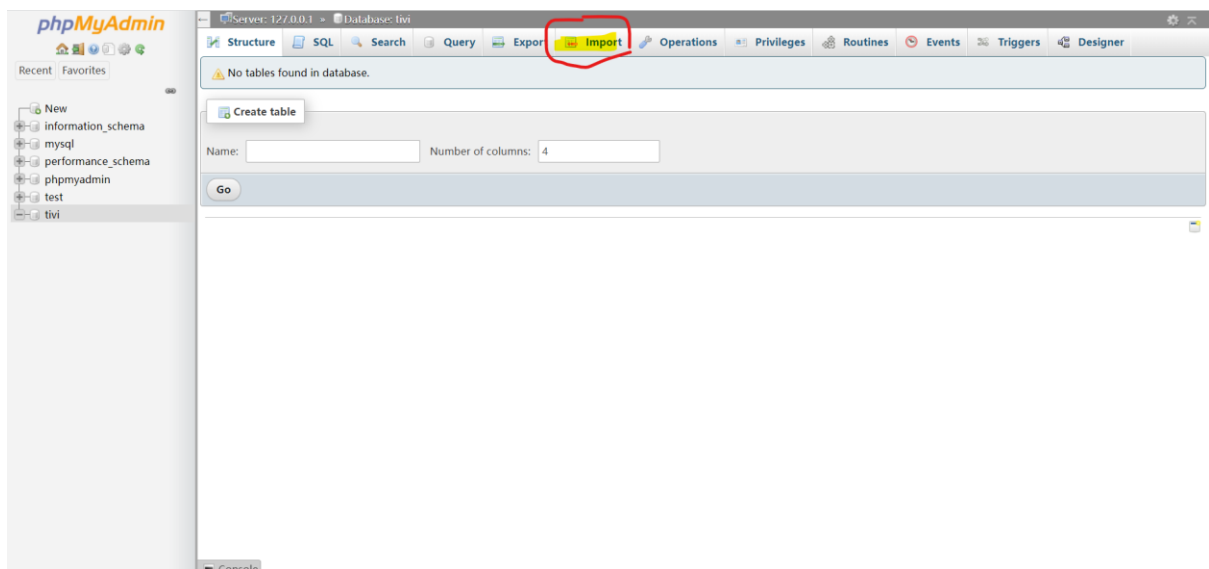
Step 5: click “new” one the left and create a database called “tivi”. Then click “create”



Then you should see “tivi” on the left



Step 6: click “import”



Step 6: then click on browse and choose the sql file

## Importing into the current server

**File to import:**

File may be compressed (gzip, bzip2, zip) or uncompressed.  
A compressed file's name must end in `.[format].[compression]`. Example: `.sql.zip`

Browse your computer:  `tivi_db.sql` (Max: 40MiB)

You may also drag and drop a file on any page.

Character set of the file:

**Partial import:**

Step 7: now click "Go"

Databases SQL Status User accounts Export Import Settings Replication Variables Charsets Engines Plugins

### Importing into the current server

**File to import:**

File may be compressed (gzip, bzip2, zip) or uncompressed.  
A compressed file's name must end in `.[format].[compression]`. Example: `.sql.zip`

Browse your computer:  `tivi_db.sql` (Max: 40MiB)

You may also drag and drop a file on any page.

Character set of the file:

**Partial import:**

☒ Allow the interruption of an import in case the script detects it is close to the PHP timeout limit. (This might be a good way to import large files, however it can break transactions.)

Skip this number of queries (for SQL) starting from the first one:

**Other options:**

☒ Enable foreign key checks

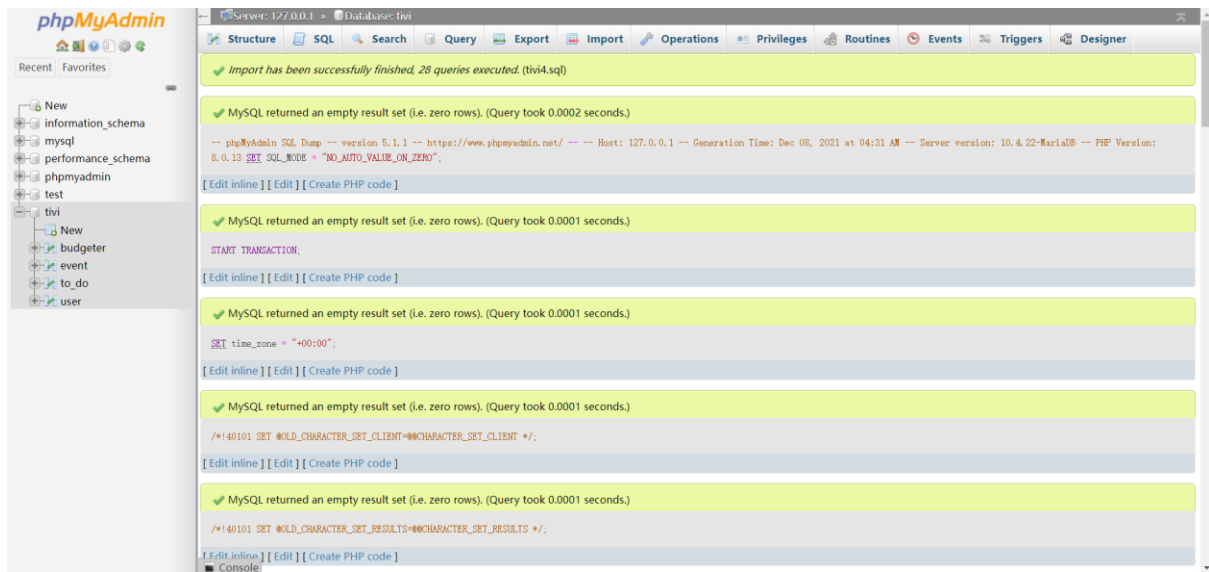
**Format:**

**Format-specific options:**

SQL compatibility mode:

☒ Do not use AUTO\_INCREMENT for zero values

After clicking “Go”, you should see like this



OK. Everything is DONE! You can use the application now!