

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:

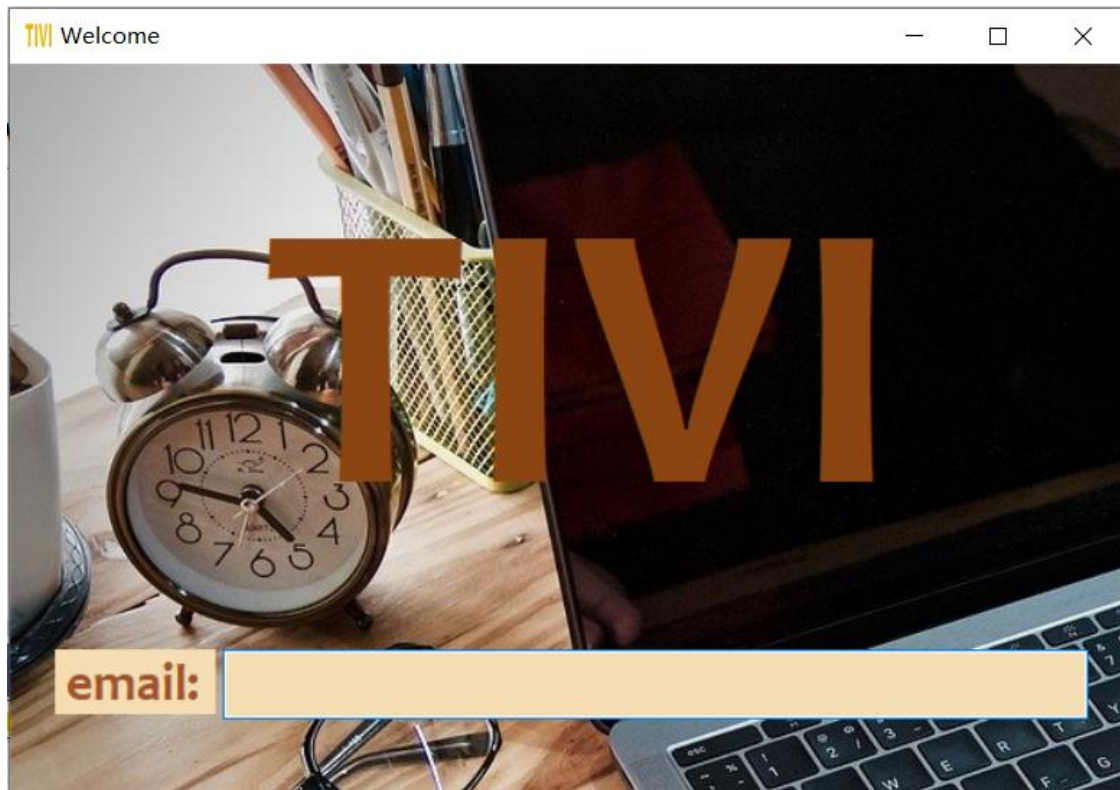


Basic UI:

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:

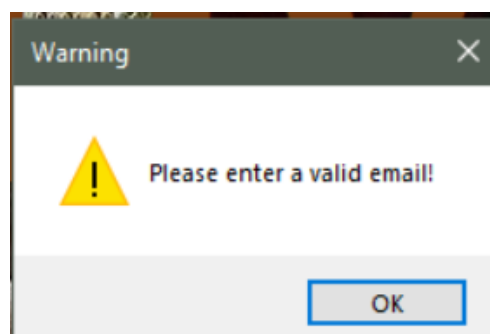
Log In page



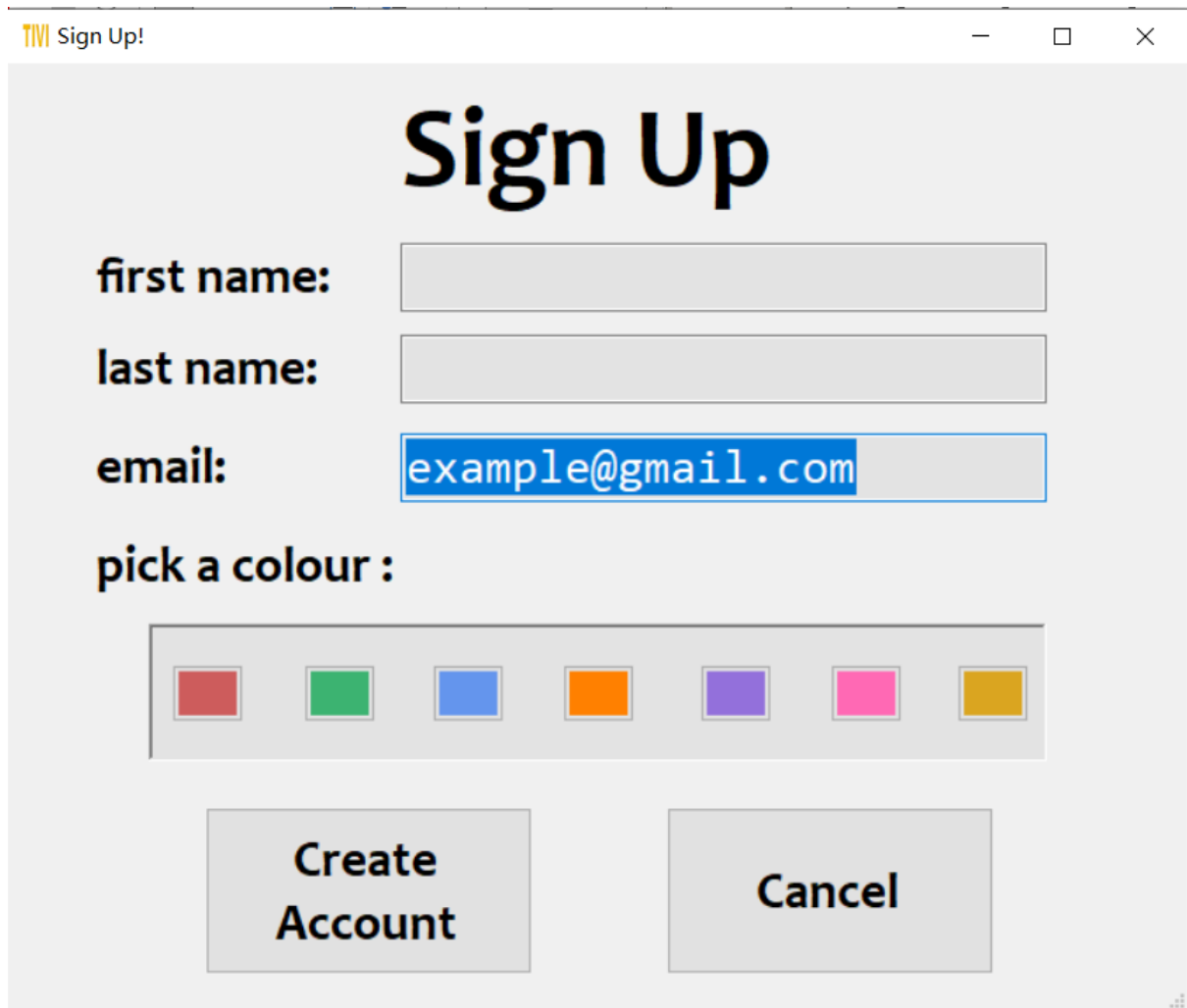
In the **Log In** page: the user has to enter a unique email in order to access his or her account. Once the information has been entered, the user can press **“Enter”** to login. At the same time **“Enter”** will verify if the entered data is valid. If the email is not valid, an error message will be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



Sign Up

first name:

last name:

email:

pick a colour :

☐ ☐ ☐ ☐ ☐ ☐ ☐

Create Account **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:

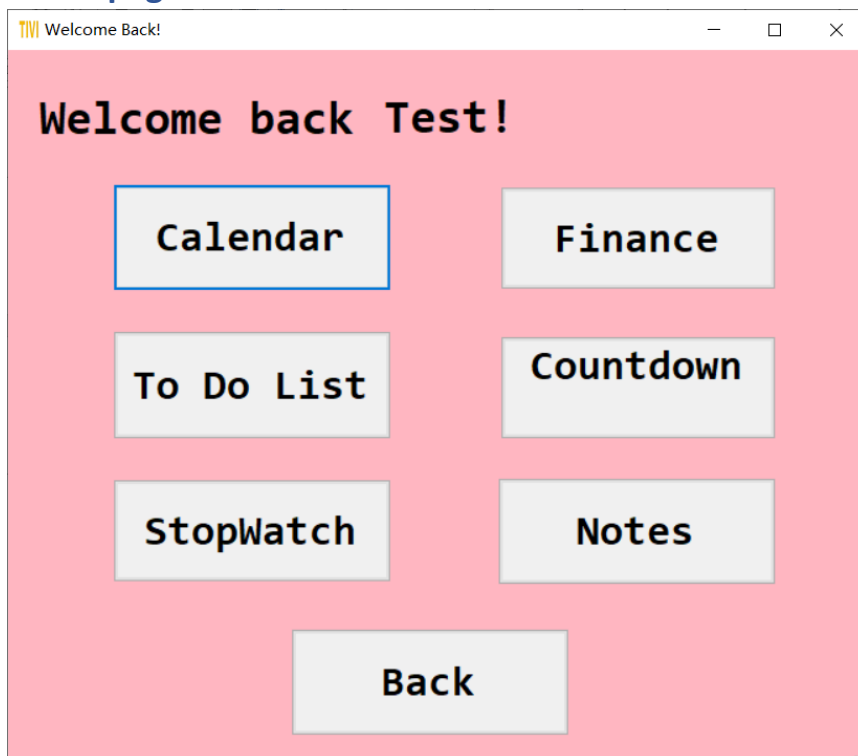
- The first name cannot be empty



- The last name cannot be empty



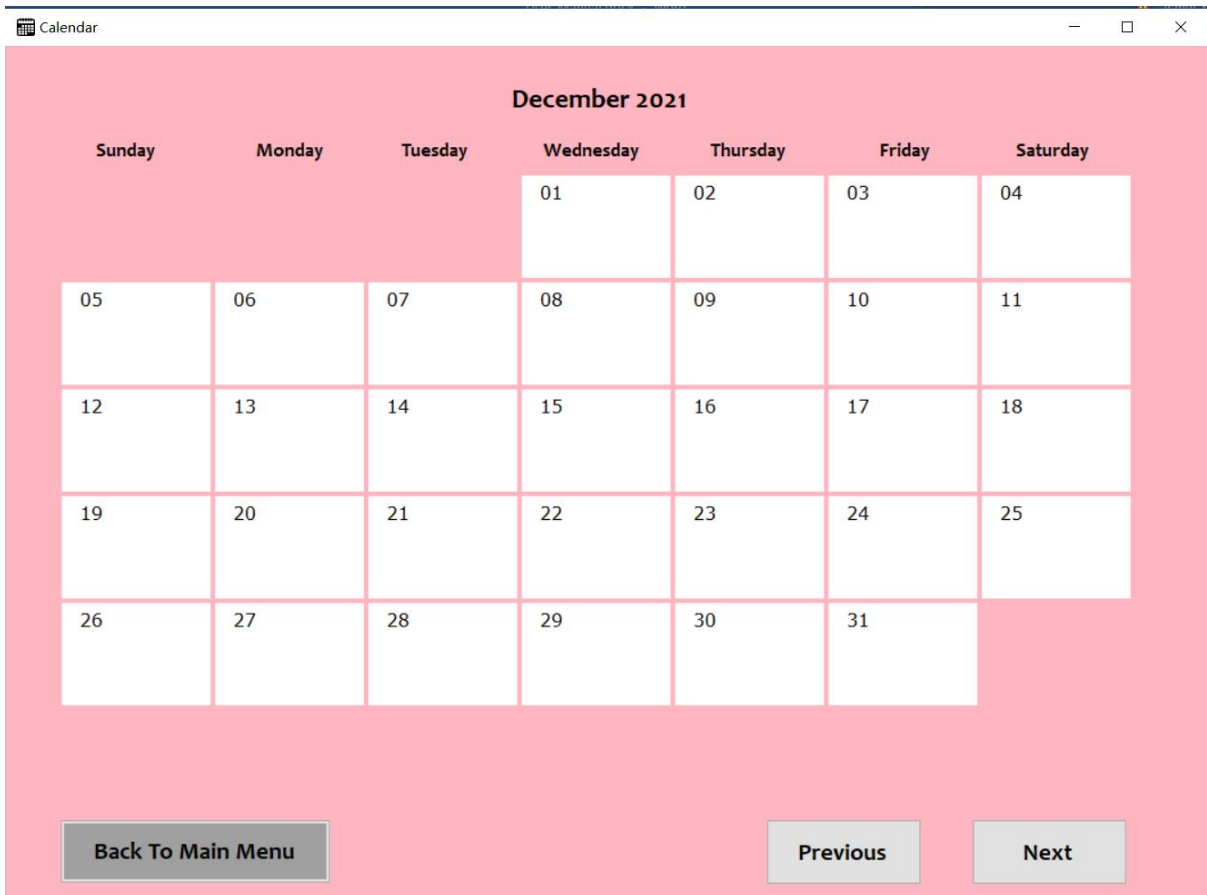
Menu page



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

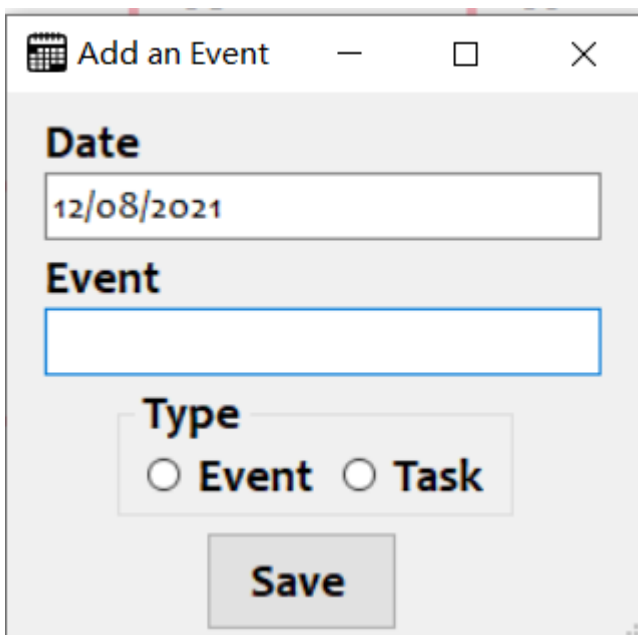


Calendar window titled "Calendar" showing December 2021. The calendar grid displays days from Sunday to Saturday. The dates are as follows:

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	

At the bottom of the calendar window, there are three buttons: "Back To Main Menu", "Previous", and "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.

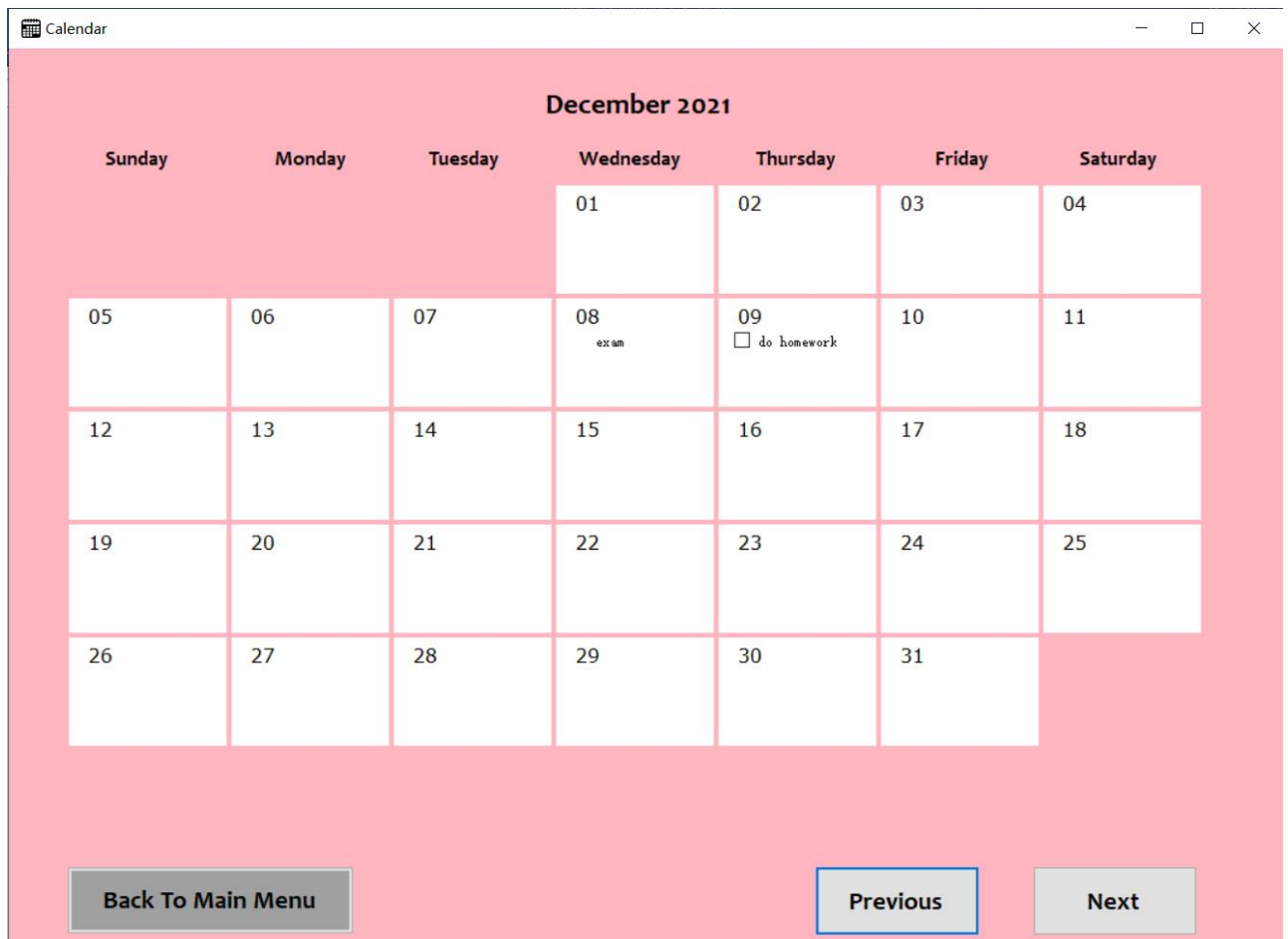
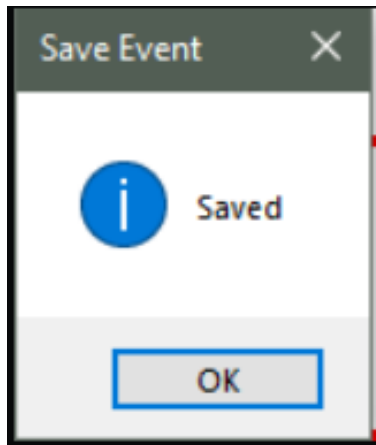


"Add an Event" dialog box with the following fields and controls:

- Date:** Text input field containing "12/08/2021".
- Event:** Text input field for the event description.
- Type:** Radio button selection for "Event" and "Task".
- Save:** Button to save the event.

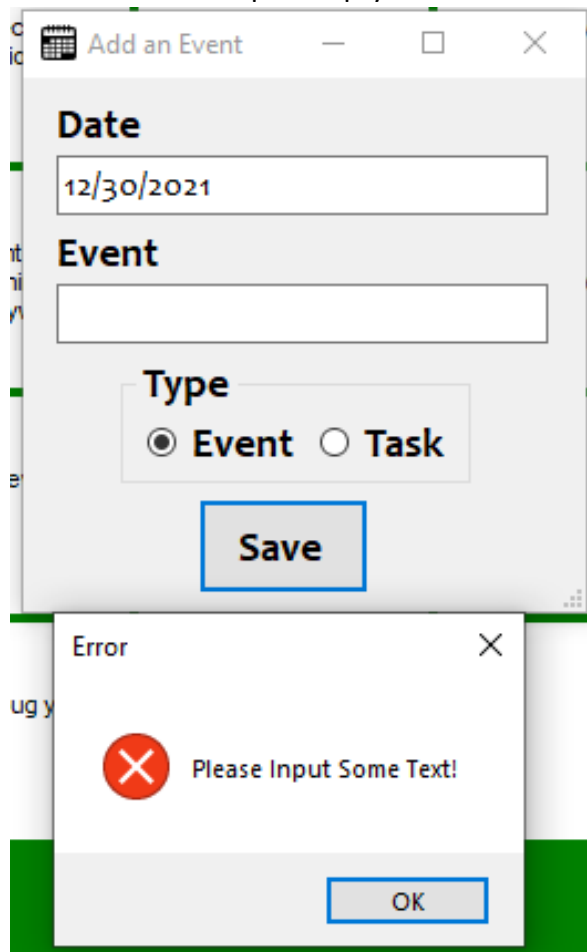
The user can choose it is an event or task by clicking Radio Button.

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

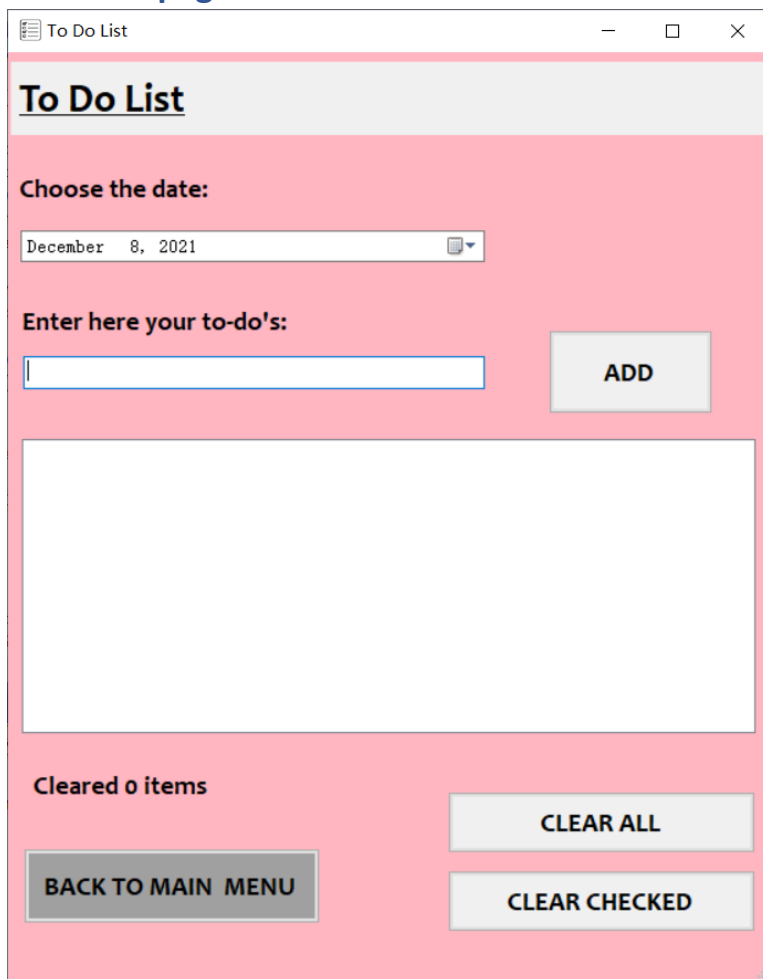


Exception Handling in Calendar page:

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



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 features a date picker set to "12/17/2021", an input field for adding tasks, and an "ADD" button. Below the input field is a list of four tasks: "test 1", "test2", "test3", and "task4". Each task has a checkbox and a date. "test 1" is unchecked with date "December 16, 2021". "test2" is checked with date "December 17, 2021". "test3" is unchecked with date "December 17, 2021". "task4" is checked with date "December 17, 2021". At the bottom, it says "Cleared 0 items" and has buttons for "BACK TO MAIN MENU", "CLEAR ALL", and "CLEAR CHECKED".

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

The screenshot shows the same "To Do List" application window after the "CLEAR CHECKED" button has been clicked. The date picker remains "12/17/2021". The input field and "ADD" button are still present. The task list now only contains "test 1" and "test3", both unchecked with dates "December 16, 2021" and "December 17, 2021" respectively. The status at the bottom now reads "Cleared 2 items of a total of 4 items". The "CLEAR CHECKED" button is highlighted with a blue border.

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

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

Error

Please Input Some Text!

OK

die now

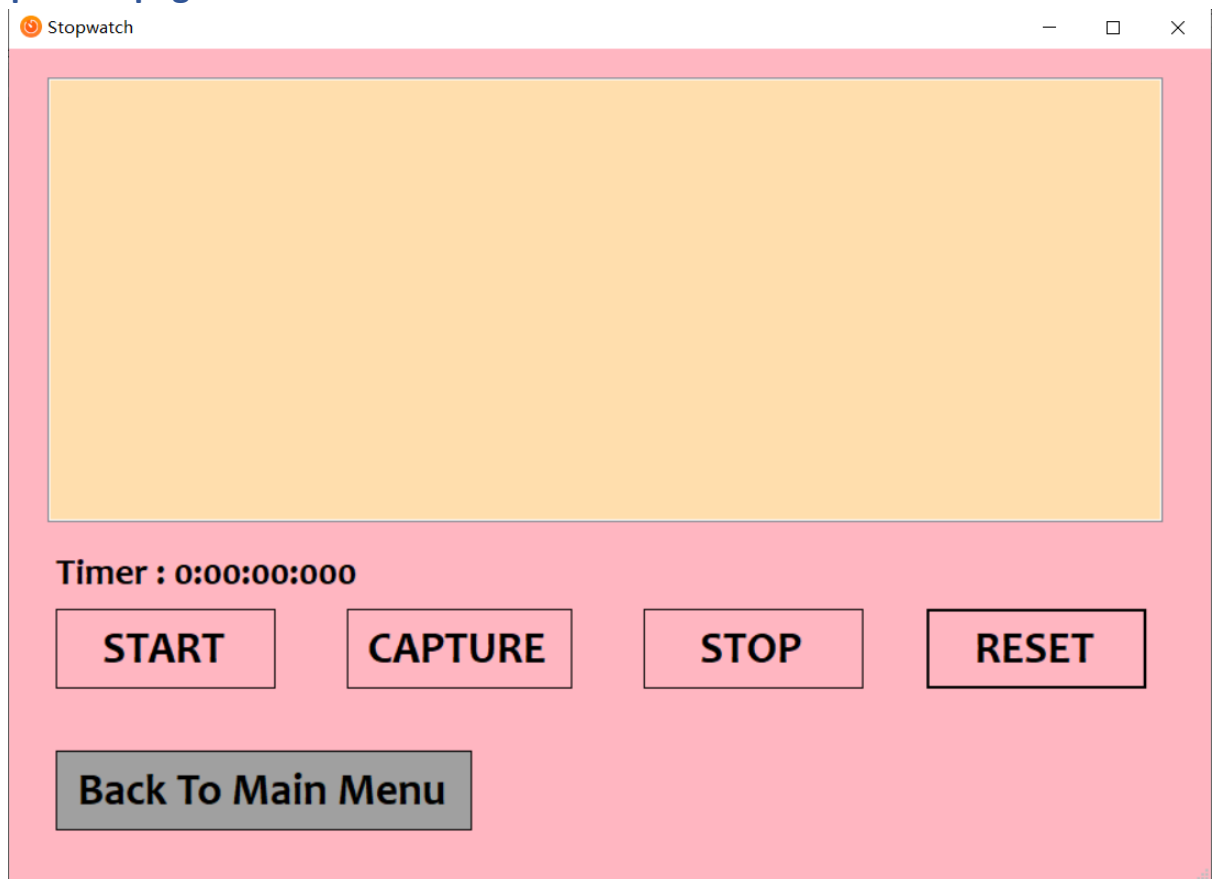
less task

December 7, 2021

December 9, 2021

December 9, 2021

Stopwatch page

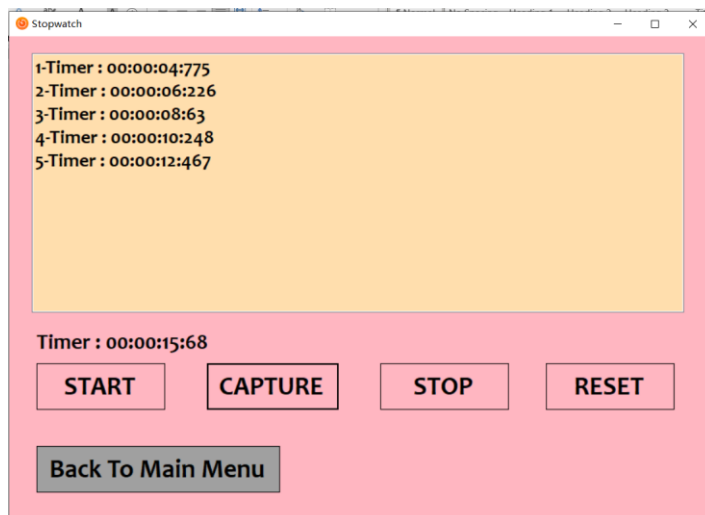


In the stopwatch page, the user can measure the amount of time and capture any time (similar to "lap"). The time of capture will be displayed.

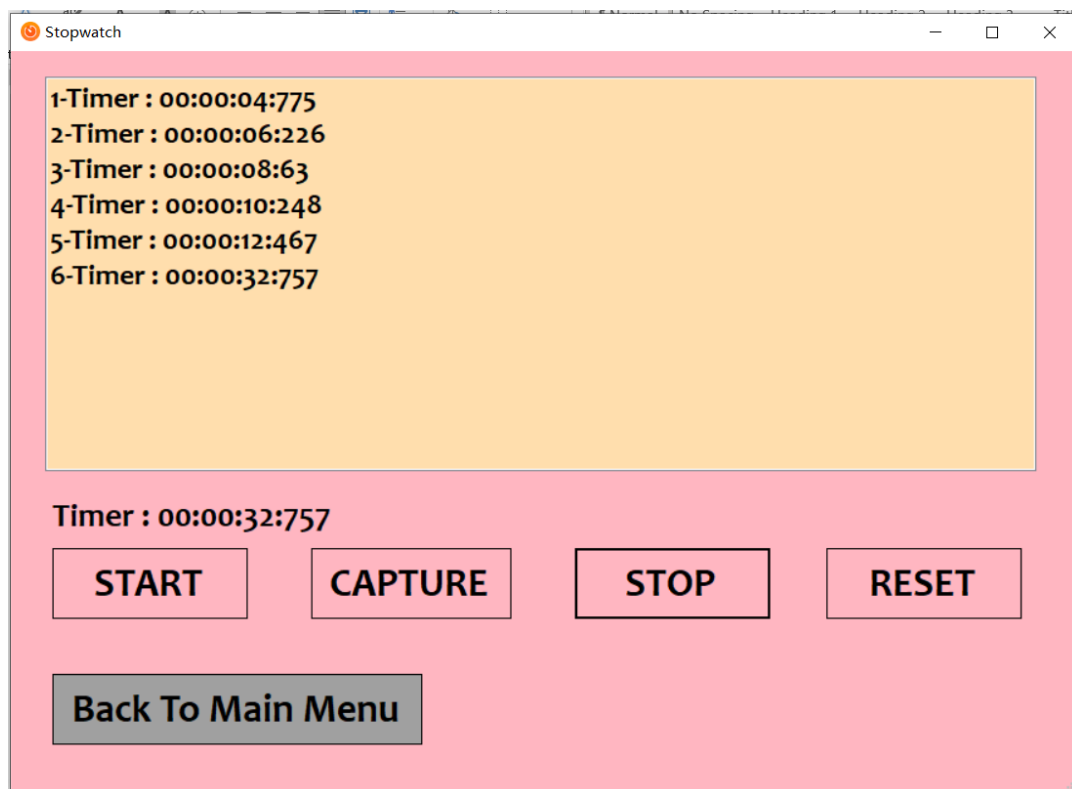
Clicking "**Back To Main Menu**" button to go back to menu page.

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

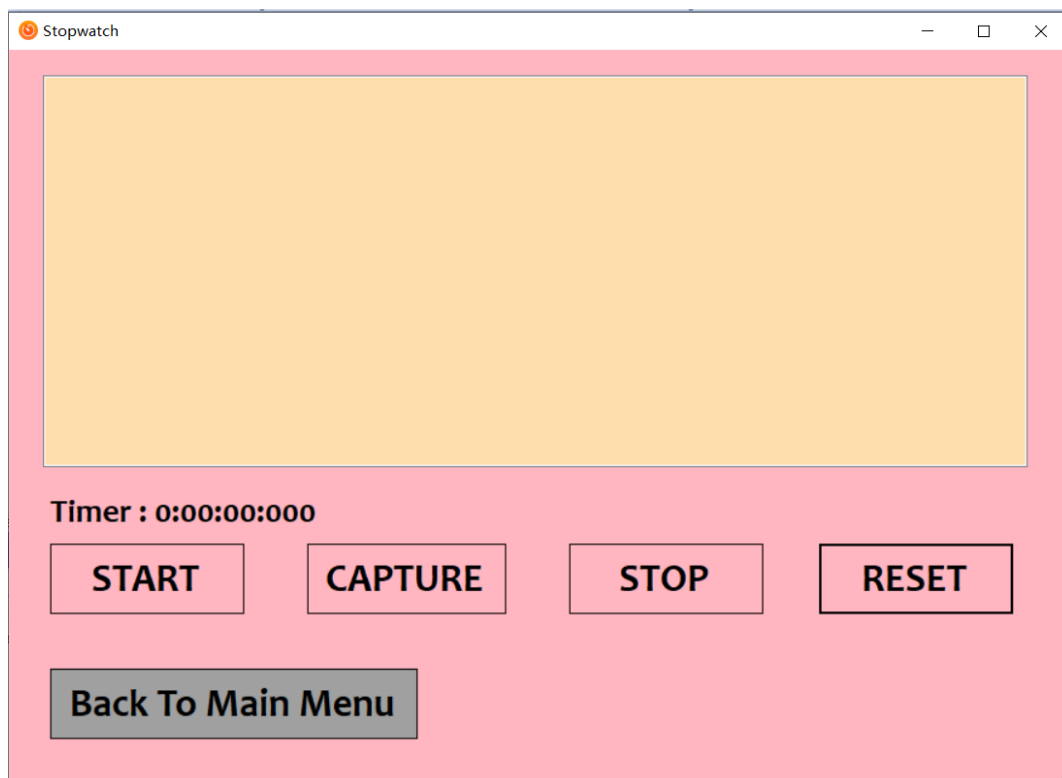
Clicking "**CAPTURE**" button to get the time of capture and will be displayed



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

Legend: Bills, Food, Transportation, Entertainment, Investments, Miscellaneous

Calculator interface with buttons: 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

Legend: Food, Transportation

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

Calculator interface with buttons: Copy, Reset, Clear, /, 7, 8, 9, *, 4, 5, 6, ., 1, 2, 3, +, 0, =

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

Enter the cost


☐ 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

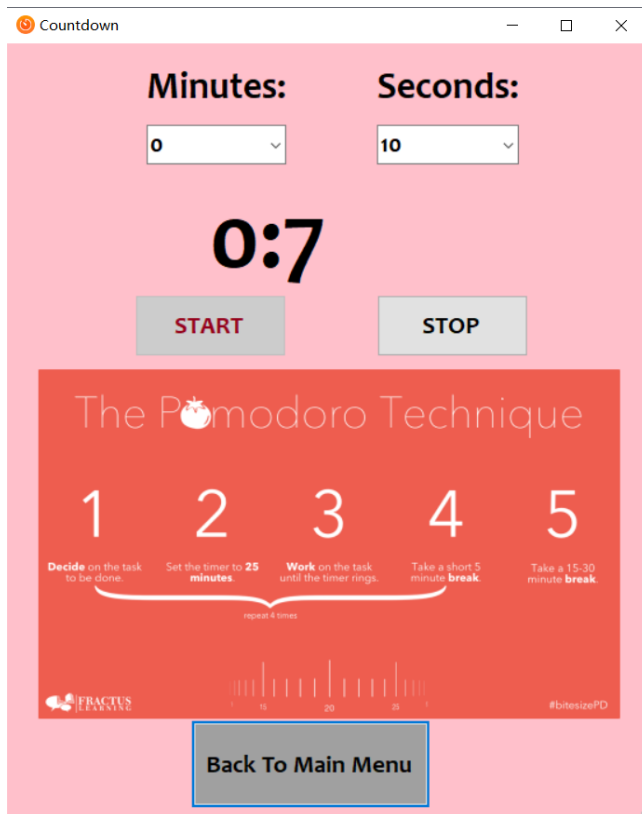
Countdown page

The screenshot shows a web application window titled "Countdown". The interface has a pink background. At the top, there are two dropdown menus for "Minutes:" and "Seconds:", both set to "59". Below these is a large digital clock display showing "00:00". Under the clock are two buttons: "START" and "STOP". A red rectangular box in the center contains the text "The Pomodoro Technique" with a tomato icon. Below this, five numbered steps (1-5) describe the technique: 1. Decide on the task to be done. 2. Set the timer to 25 minutes. 3. Work on the task until the timer rings. 4. Take a short 5 minute break. 5. Take a 15-30 minute break. A bracket under steps 1-4 indicates they are repeated 4 times. At the bottom of the red box is a small progress bar and the text "#bitesizePD". Below the red box is a "Back To Main Menu" button.

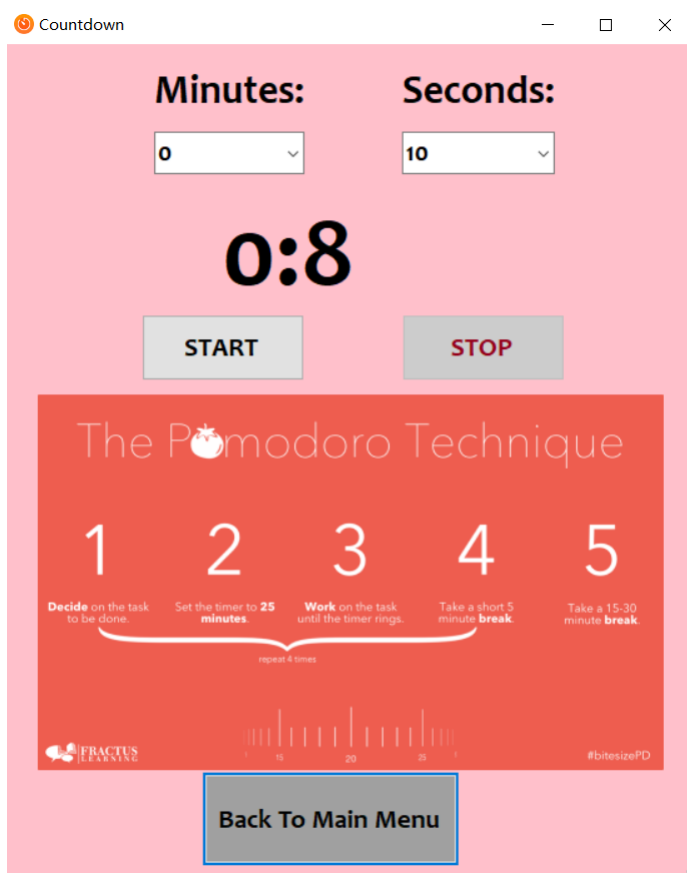
In the countdown page, there is a virtual clock that counts down from the time chosen by the user.

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.



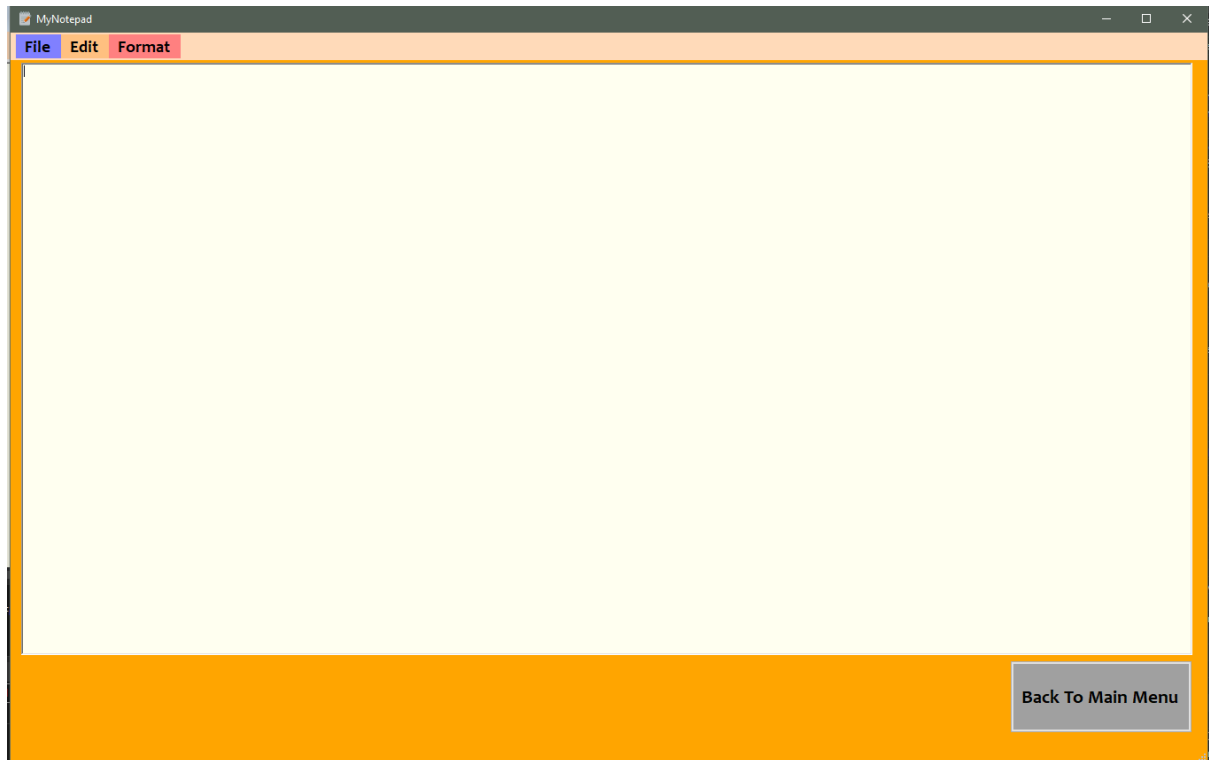
When the time is up, the popup message will display “Time’s up” to remainder the user and play a sound.

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

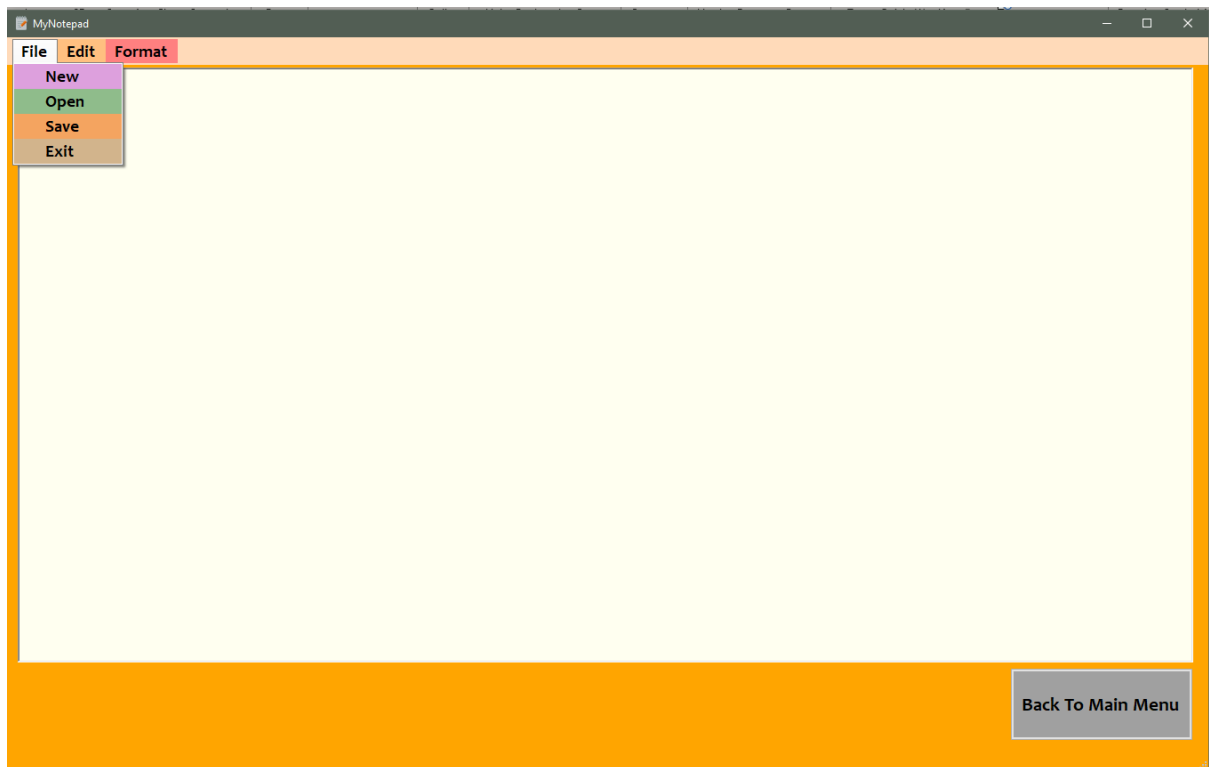
The user can take notes in this page.

In the notepad page, user can create new file, open an existing file, edit the file, and format the font and color of the text.



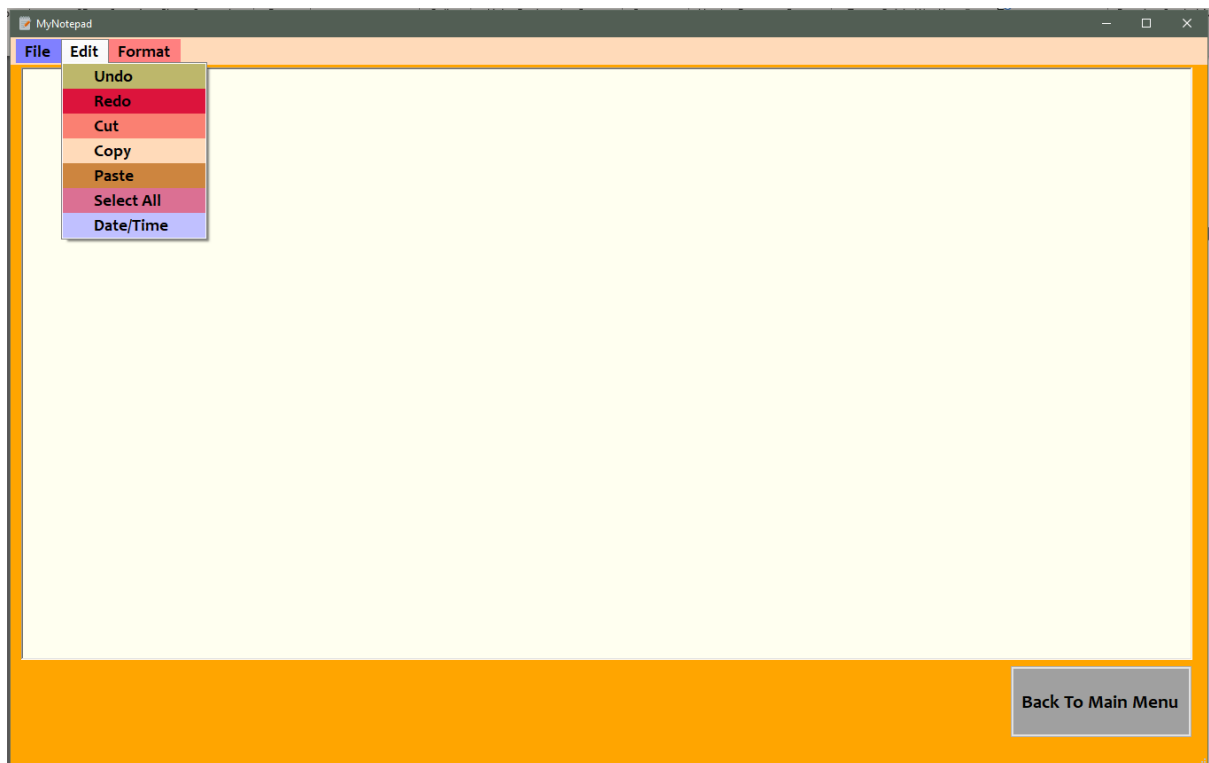
File

- New – create new note
- Open – open an existing file
- Save – save current note
- Exit – exit the notepad



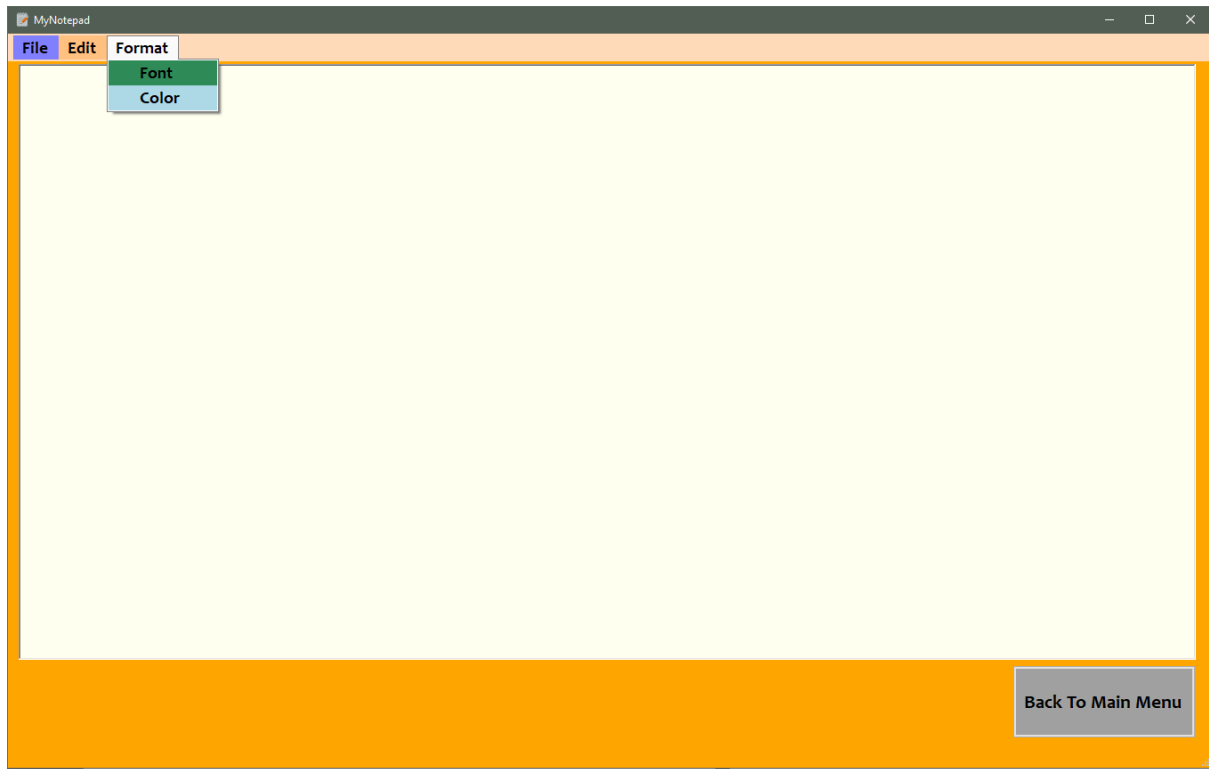
Edit

- **Undo** – reverse the action of an earlier action
- **Redo** – restores any actions that were previously undone using an undo
- **Cut** – removes the currently selected text and places it on the clipboard
- **Copy** – copies the selected text
- **Paste** – paste the copied text
- **Select All** – select all the text
- **Date/Time** – inserts the current date and time



Format

- **Font** – the change default font of the text
- **Color** – to change default color of the text

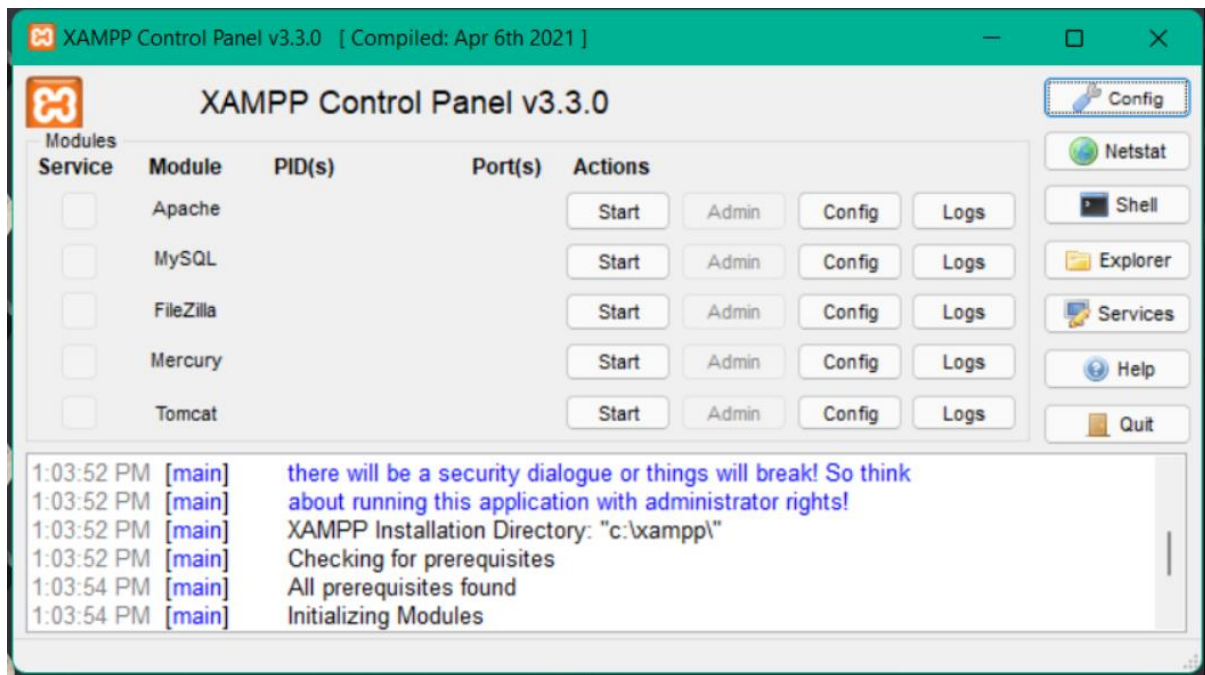


Additional software required to support project application software

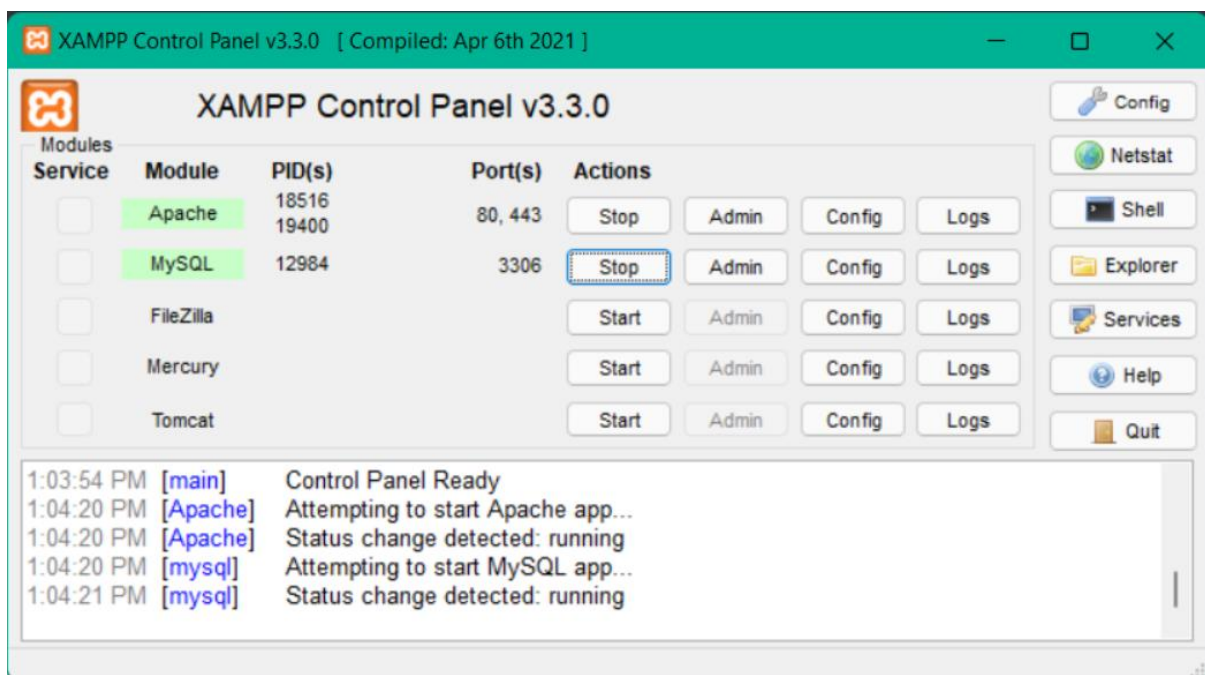
Step 1: Download XAMPP from the link:

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

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

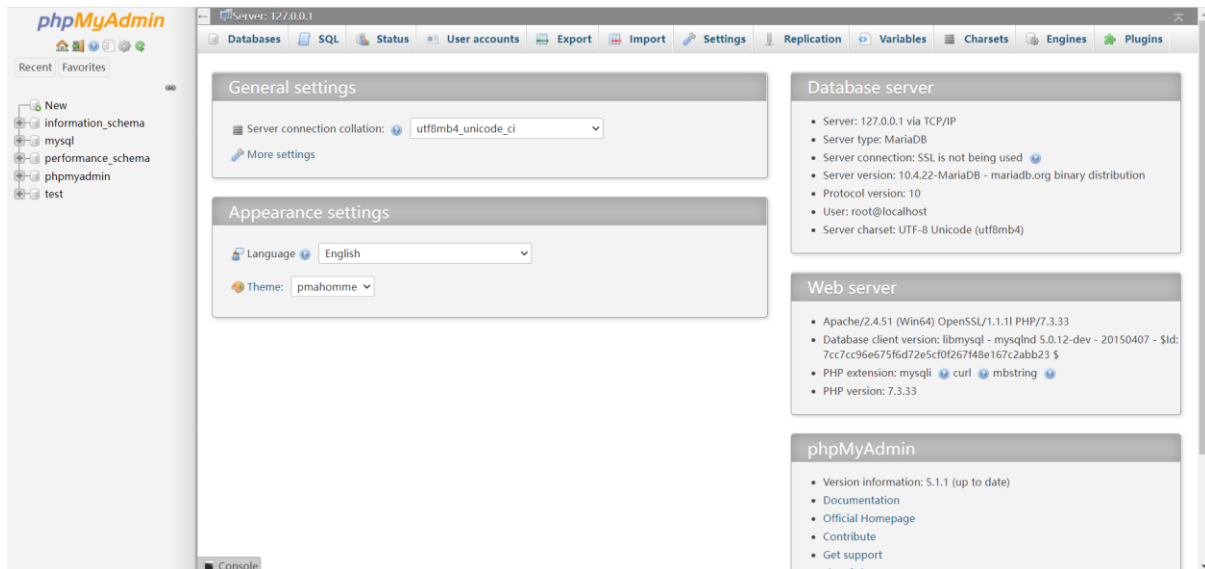


Step 3: start the process for apache and mySQL by clicking “start”

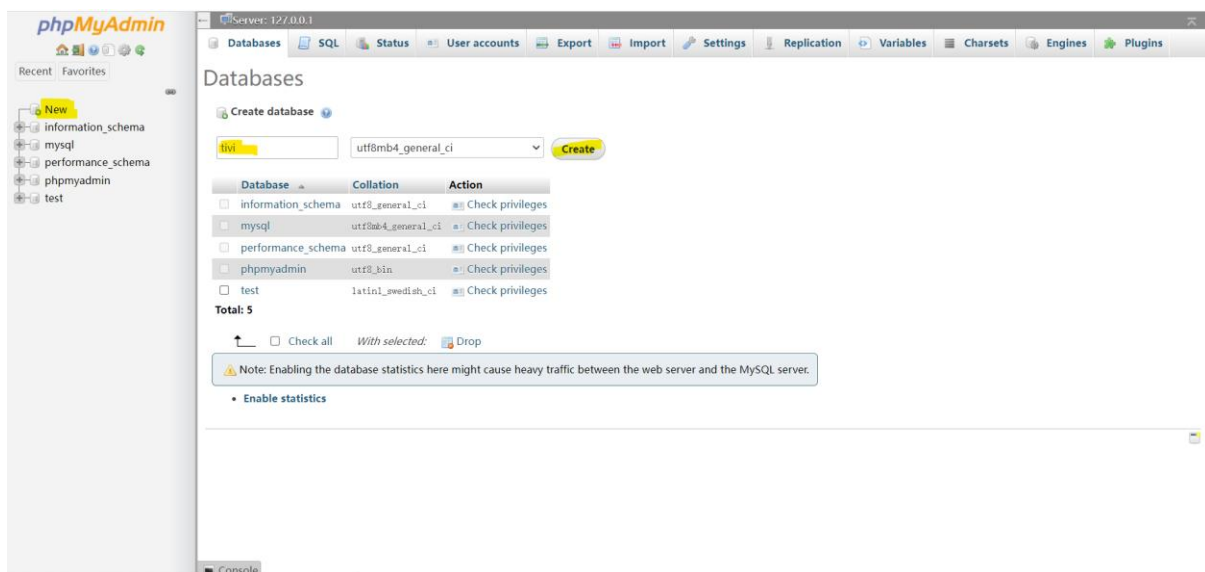


Step 4: open a browser and type <http://localhost/phpmyadmin/>

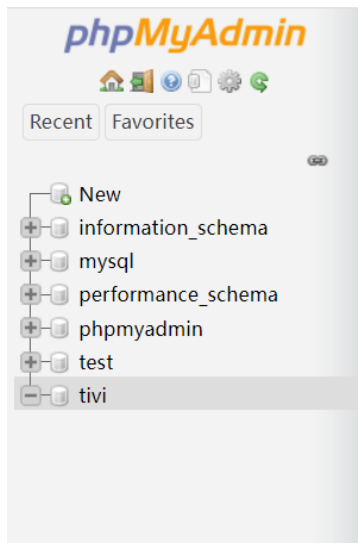
Then you will get this page



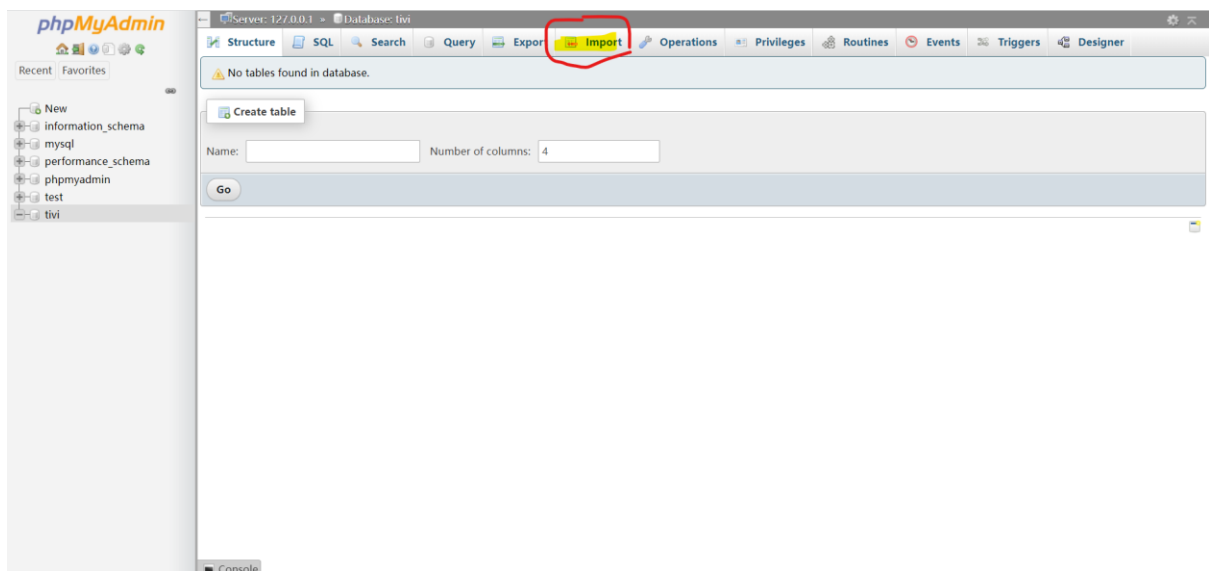
Step 5: click “new” one the left and create a database called “tivi”. Then click “create”



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

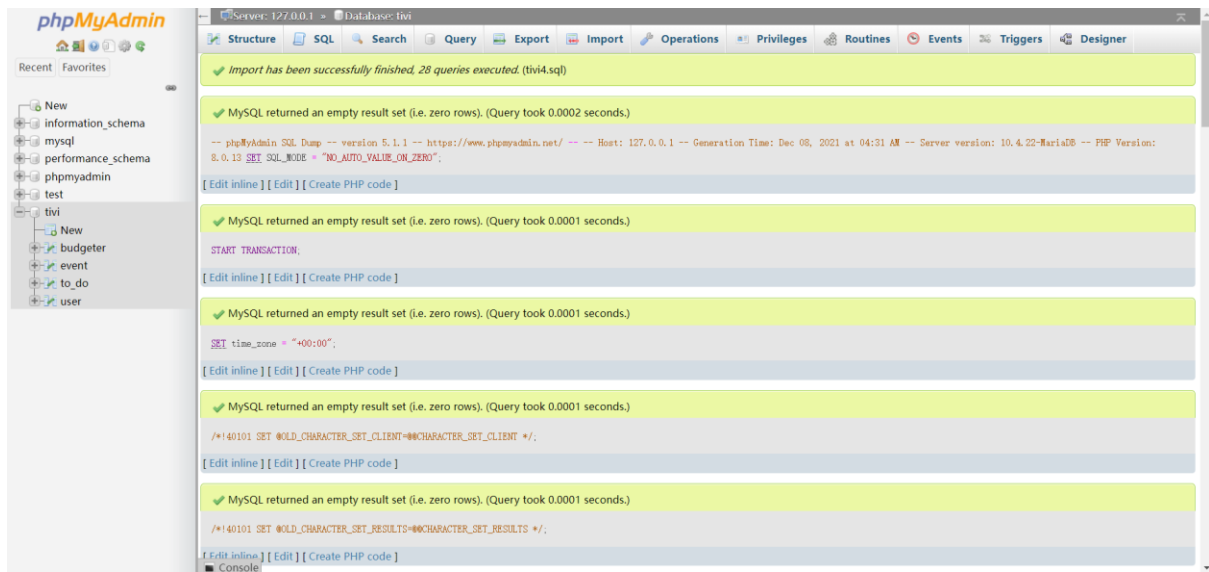
Format:

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!