



Software Operation Manual

Version 1.0

Tik Tasks GmbH
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1 ABOUT THIS DOCUMENT

1.1 Disclaimer

This document is prepared or accomplished by Nilusche Liyanaarachchi (Co-software engineer of Tik Tasks) in his own personal capacity.

The material of this manual serves for information purposes only.

The product Tik Tasks exists for educational grounds and has no affiliations with similar brands nor is intended for commercial usage.

While Tik Tasks GmbH assures to deliver high quality products, we can not guarantee any absence of bugs or defects in the product.

Under no circumstance is Tik Tasks liable for any direct, indirect, specific or consequent damages that is inflicted by the use, misuse, abuse or inability to use the software.

This Manual does not contain all details or variations of the software nor does it provide guidance or maintenance for any possible contingency.

Should further information be provided or a specific problem arise please refer to the Troubleshooting section of this manual or one of the software engineers of Tik Tasks.

Every explained functionality references a previously determined product requirements document (PRD).

1.2 Intended audience

This document and its product is to be used by the ISLCM Team 4 of the software engineering module at FH Aachen University of applied sciences. For representational reasons three users have been setup beforehand. It is advised to delete or change the details of those users before starting a hypothetically company-wide usage.

User 1 (Administration role):

Email: "admin@gmail.com"

Password: "password"

User 2 (Manager role):

Email: "manager@gmail.com"

Password: "password"

User 3 (Worker role):

Email: "worker@gmail.com"

Password: "password"

2 GETTING STARTED

2.1 Prerequisites

There are no prerequisites as in prior installations or downloads to start using this product.

This software runs as a web application on all latest web browsers.

To assure a trouble-free usage of the software, it is recommended to use any of the following web browsers: "Chrome", "Edge", "Firefox".

Any hardware requirements depend on the selection of the aforementioned web browsers.

2.2 What is Tik Tasks?

Tik Task provides a simple tool to create to-do-lists and additionally has the capability to use different user profiles with different limits of usage.

Tik Tasks bestows the user with a synoptic interface to ideally increase productivity and user experience.

The three different user roles are:

"Worker"

This is the default user role. The user has full access to managing tasks, personal data and preferences/settings.

"Administrator"

This role maintains any permissions of the worker role. Additionally this user can manage other users, e.g. delete or edit them.

"Manager"

This role maintains any permissions of the worker role. Additionally this user can see any public tasks created by other users and assign tasks to them.

3 OVERVIEW OF THE SOFTWARE

This section explains the features and functionalities of the software.

3.1 Login (u100)

You can log in by filling in the **email** (1) and the **password** (2) of the account and pressing the button **Login** (4).

The **Remember me** feature (3) allows the client-side users to automatically remember their user login details as they regularly visit the site.

Since this information is stored in a browser-cookie, logging out deletes it.

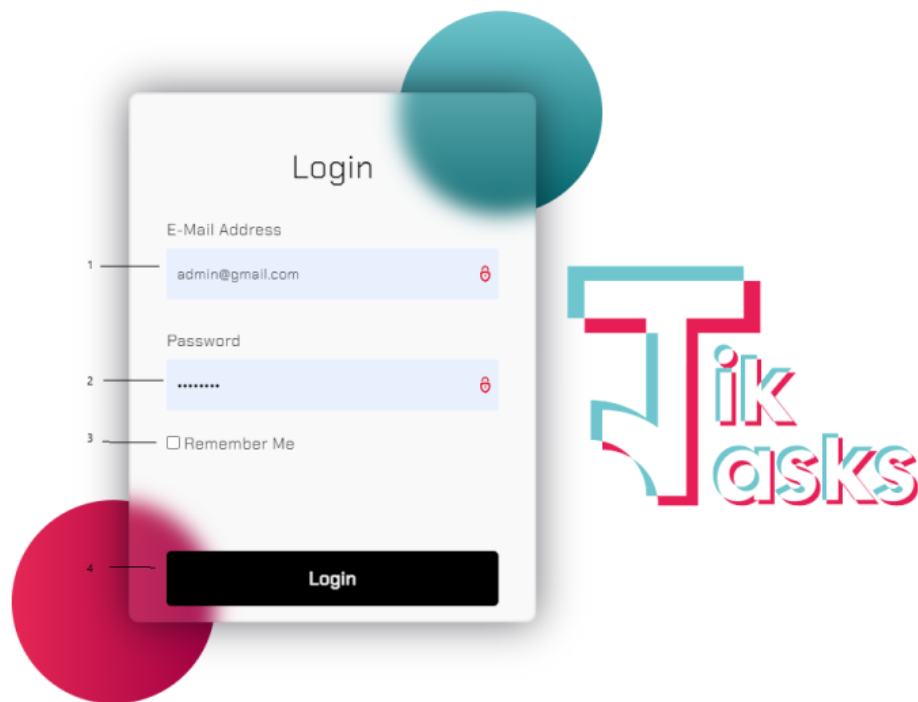


Fig. 1: Login page

3.2 Basic navigation (u110 - u130)

Once you are logged in, several navigation options appear on the navigation bar.

- (1) Refresh Tasks
- (2) View Notifications
- (3) View Systempanel
- (4) View Settings
- (5) View Profile
- (6) Log out
- (7) Assign Tasks

Depending on the user role optional navigation elements like the **Systempanel** (3) for the admin-role or the **Assign-Panel** (7) for the manager-role are added to the navigation bar.

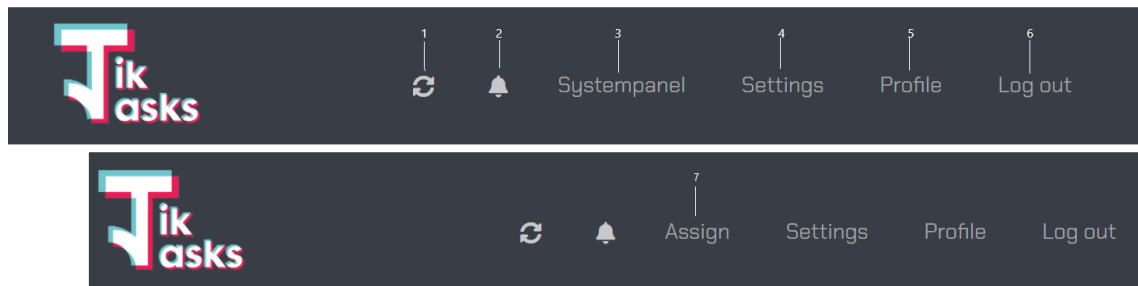


Fig. 2: Navigation elements

3.3 Homepage (u001)

When a task has been created several information is prominent when viewing the task card:

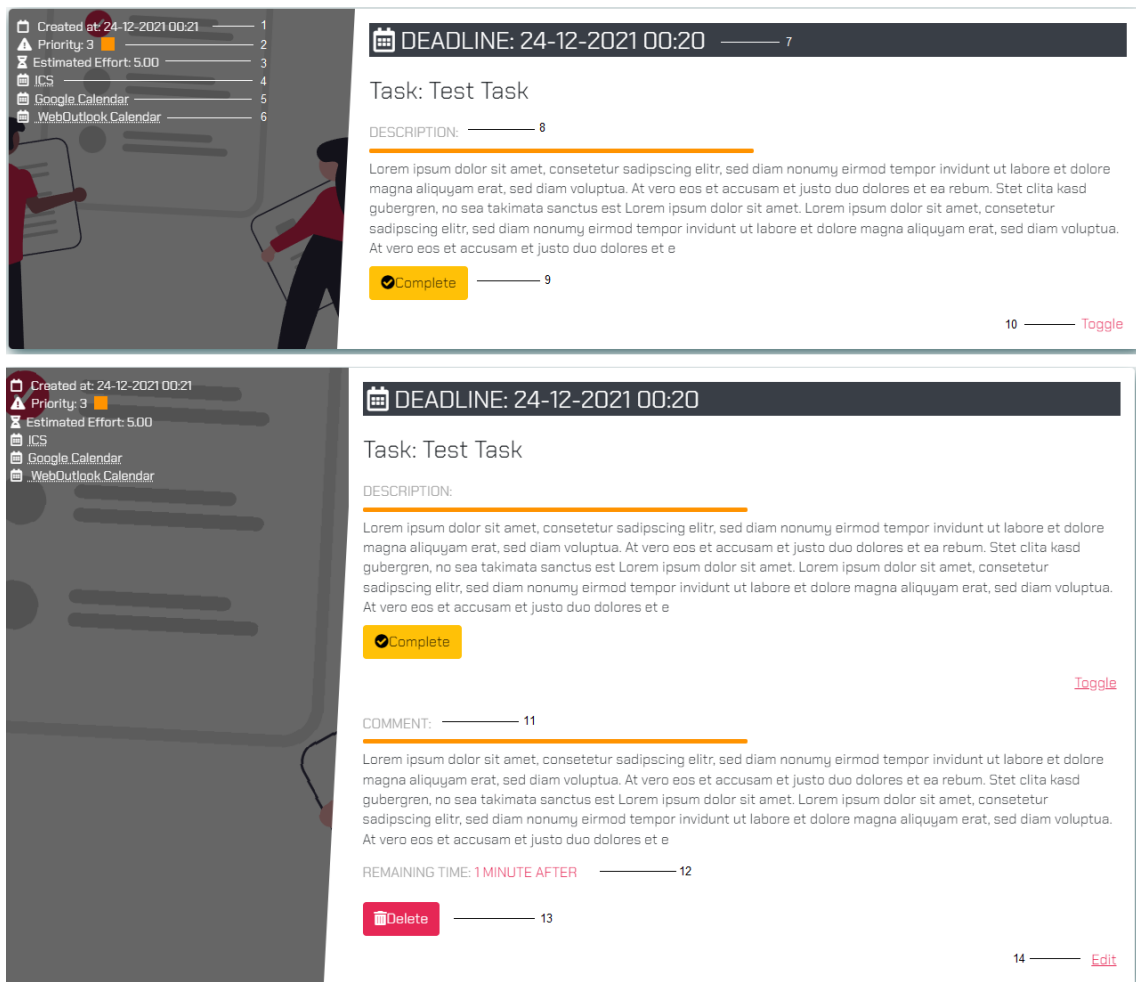


Fig. 3: Detailed view on Tasks

- (1) Task creation time
- (2) Task priority
- (3) Estimated Effort
- (4) ICS Export-link
- (5) Google Calendar Export-link
- (6) WebOutlook Calendar Export-link
- (7) Task deadline
- (8) Task description
- (9) Complete Task (Move task to archived tasks)
- (10) Toggle additional task information
- (11) Task comment
- (12) Remaining time until Deadline
- (13) Permanently Delete Task
- (14) Edit Task

The toolbar holds the most important activities when managing tasks:

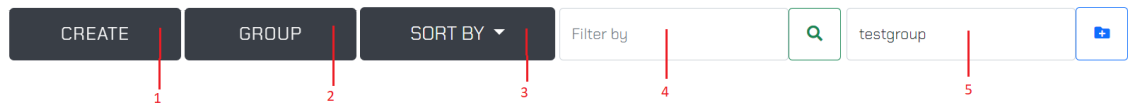


Fig. 4: Toolbar

- (1) Create tasks
- (2) Group tasks
- (3) Sort tasks
- (4) Filter tasks
- (5) Create group

3.4 Profile management (u200)

When you are logged in you can edit your personal data by selecting the "Profile" element on the navigation bar (Fig.2 (5)).

There you can edit your account information and change your password.

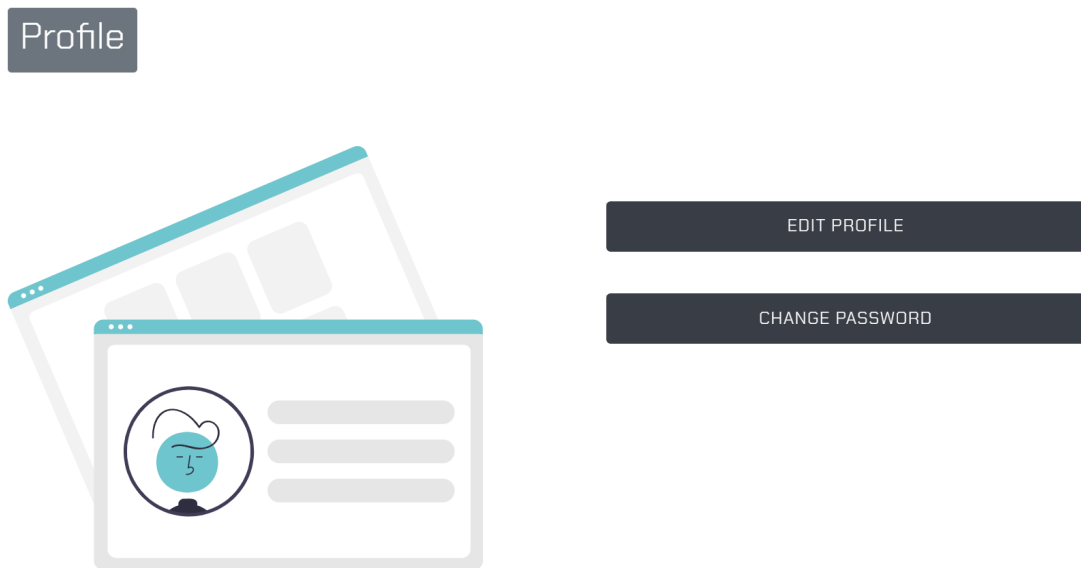


Fig. 5: Profile page

3.4.1 Edit profile details

When editing the profile you can change your **Name** (1) and your private **About me** (3) field.

Only if your user role is the admin-role you can edit your **Email** (2) otherwise this field appears on a read-only basis.

To confirm any changes press the "Update Profile" button (4).

Edit profile

The screenshot shows a web form titled "Edit profile" with the following fields and elements:

- Name** (1): A text input field containing "testworker".
- Email** (2): A text input field containing "worker@gmail.com".
- About me** (3): A large text area containing:
 - Work-ID: 1X.57.GH.57
 - Position: Worker
 - Age: 55
 - Condition: Diabetes
 -
- Update Profile** (4): A teal button at the bottom left.

On the right side of the form is an illustration of a person in a dark uniform standing next to a large smartphone. The phone screen displays a profile card with a circular photo of a person, two red horizontal bars, and navigation arrows at the bottom. In the background, there are faint icons of other profile cards.

Fig. 6: Update personal data

3.4.2 Change password

It is considered a good habit to change your password when you receive the login information for the first time.

This prevents other users from logging in under your name.

Enter the **old password** on the first row (1) and your **new password** on the second row (2).

You have to **confirm** your password on the third row (3) to make sure you have not misspelled it.

Note that the Password requires at least 8 characters.

When you have entered your new secure password confirm your changes by pressing the "**Change Password**" button (4).

Change password

Old password — 1

New password (min: 8 characters) — 2

Confirm new password — 3

Change password — 4

Fig. 7: Change personal password

3.5 Create new tasks (u400)

- (1) Title (Required)
- (2) Deadline (Date time, must be after or equal to create-time)
- (3) Optional Description (Limited to 500 characters)
- (4) Optional Comment
- (5) Visibility of the task (Default: "public")
- (6) Priority (Range from 1 to 5 ascending, default: 1)
- (7) Alarm date (Default: "never")
- (8) Estimated effort (Numeric, in hours)
- (9) Optional Links (Input as domain)

Available alarm date options are "Never", "When due", "1 hour before", "1 day before", "Deadline minus estimated effort".

The form is titled "Create new tasks (u400)". It contains the following fields and controls:

- 1 Title ***: A text input field with the placeholder "Title of the Task".
- 2 Deadline**: A date-time input field with the placeholder "tt.mm.jjjj --:--" and a calendar icon.
- 3 Description**: A large text area for the task description.
- 4 Comment**: A text input field with the placeholder "Comment".
- 5 Visibility**: A dropdown menu with "public" selected.
- 6 Priority [1-5 Ascending]**: A horizontal slider with a blue dot at the left end (1) and a label "6" at the right end.
- 7 Alarmdate**: A dropdown menu with "Never" selected.
- 8 Estimated effort [in Hours]**: A text input field with the value "3.5".
- 9 Links (Domain only)**: A text input field.

Fig. 8: Creating new Tasks

When adding links only fill in the field with the domain of the website.
By pressing the Key "Enter" or "," the domains are separated.
Links that can not be opened are discarded in the addition-process.

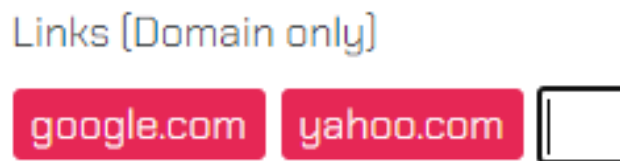


Fig. 9: Adding new links

When creating a new task the you can choose to upload additional files associated with the task.
Accepted file-suffixes are:
.jpg, .jpeg, .bmp, .png, .gif, .doc, .docx, .csv, .rtf, .xlsx, .xls, .txt, .pdf, .zip.
These files are uploaded directly to the cloud so you can open files that are discernible to the browser directly without downloading the file itself.

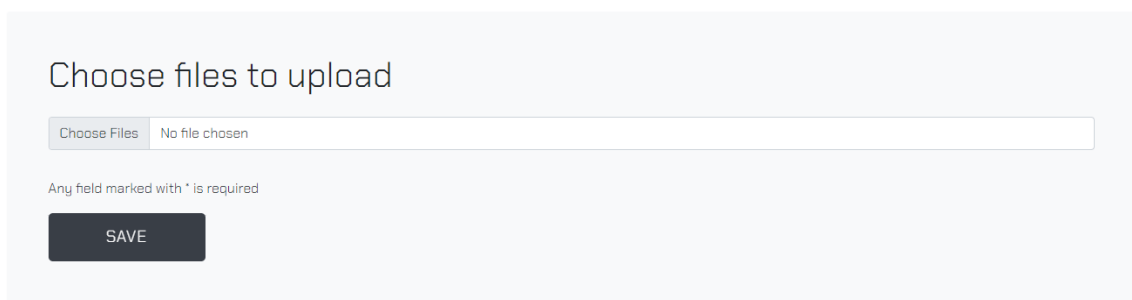


Fig. 10: Adding additional Files

3.6 Complete Tasks (410)

When you press **Complete** on a task card you will be prompted to confirm the completion of it.

If you confirm your task will be saved to the archived tasks (Chapter 3.13.1). Please note that you can not restore tasks that have been completed (i.e. moved to the archived tasks).

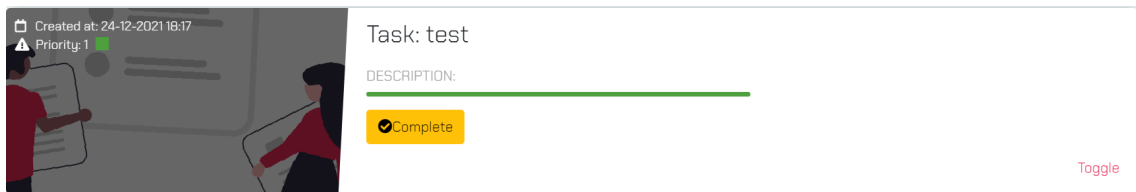


Fig. 11: Completing a task

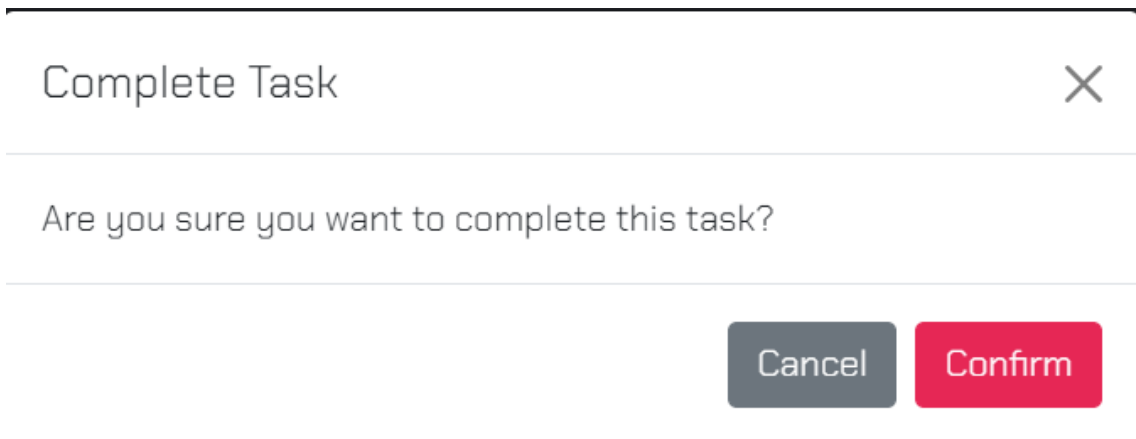


Fig. 12: Prompt for completing a task

3.7 Sort tasks (u420)

Tasks can be sorted on the homepage and in groups by pressing on the **Sort by** element of the toolbar (Fig. 4).

Sort by:

- (1) Title ascending
- (2) Title descending
- (3) Deadline ascending
- (4) Deadline descending
- (5) Date ascending
- (6) Date descending
- (7) Priority ascending
- (8) Priority descending

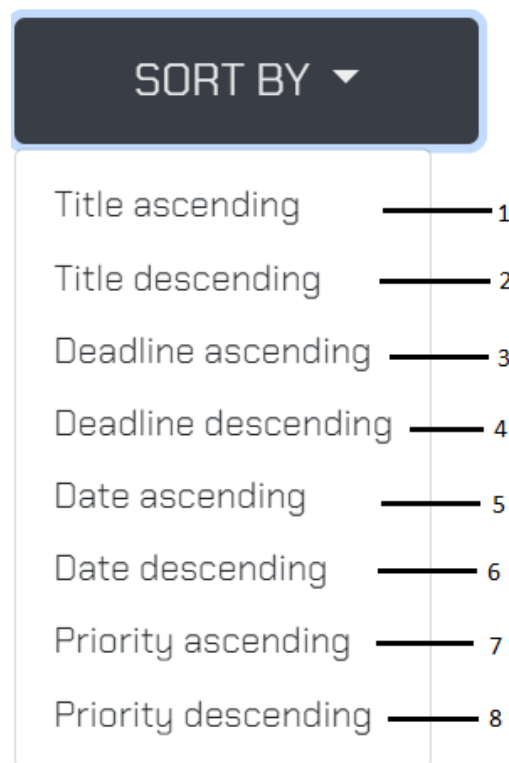


Fig. 13: Different options for sorting a task

3.8 Filter tasks (u430)

If you want to filter your tasks by a search term fill in the filter field (1) and press the filter-icon (2).

If any tasks contain this search term in the title, description, or comment, these tasks will appear under the filtered results.

If there is a keyword exactly matching the search term, this will be highlighted (Fig. 15).



Fig. 14: Filtering tasks

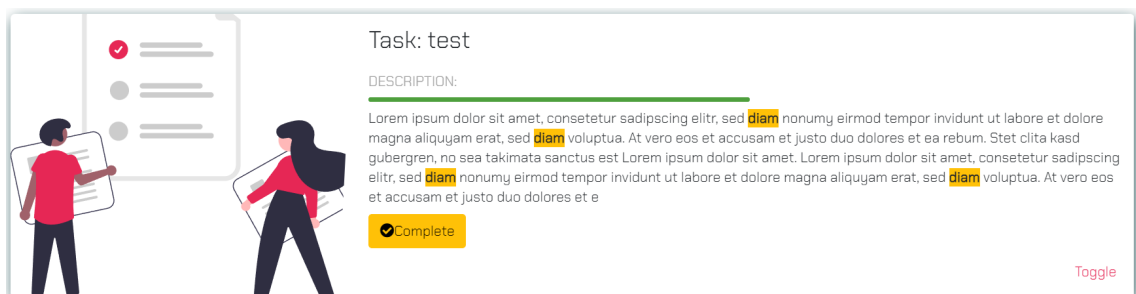


Fig. 15: Filter results when filtering by "diam"

3.9 Edit tasks (u440)

When editing a Task you can edit any previously setting of the task. Files That have been uploaded can be shown and deleted from this menu (Fig. 17). When the task has been assigned you can only edit a limited number of fields while the others remain on a read-only basis (Fig. 18).

Title *

Test Task

Deadline [bisher: 24-12-2021 00:20]

mm/dd/yyyy --:-- --

Description

>Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat,

Visibility

public

Priority [1-5 Ascending]

3

Alarmdate

When due

Estimated effort [in Hours]

5.00

Total effort [in Hours]

3.5

Any field marked with * is required

SAVE

Available links

google.com

test.com

Links (Domain only)

Fig. 16: Edit tasks

Files

#	Name	Type	View	Delete
2	Login.png	png	<input type="button" value="Show"/>	<input type="button" value="Delete"/>
3	Navigation.png	png	<input type="button" value="Show"/>	<input type="button" value="Delete"/>

Fig. 17: Add additional files to the tasks

Title *

Alarmdate

Description

Estimated effort [in Hours]

Total effort [in Hours]

Any field marked with * is required

Comment

Fig. 18: Edit assigned tasks

3.10 Group tasks (u450)

Creating and using Groups within Tik Tasks is very important in order to get the most use out of the system.

The Group concept is used to easily organize tasks and to enable a hierarchical folder system for them.

3.10.1 Creating a new Group

To create a new group type in the name of the group in the group-field (1) and confirm by pressing the create-group-icon (2).

One of Tik Tasks idiosyncrasies concerning the grouping of tasks is that groups can be nested.

In order to create a subgroup in the basegroup you only need to navigate into the basegroup element (Fig.21) and then create another group with the same toolbar.



Fig. 19: Create a new group

3.10.2 Assigning tasks to Groups

To assign Tasks to Groups click on the Group item of the toolbar (Fig. 4 Toolbar).

This takes you to the Group tab. If tasks have been created, a short overview of them is listed here (1).

To select the group press on the select item (2) and choose the group you want to assign the tasks to. To choose the tasks you want tick the checkbox on the corresponding task (3).

Confirm your selection by pressing the **Group** button (4).

When selecting a group it is also possible to assign the tasks to multiple groups.

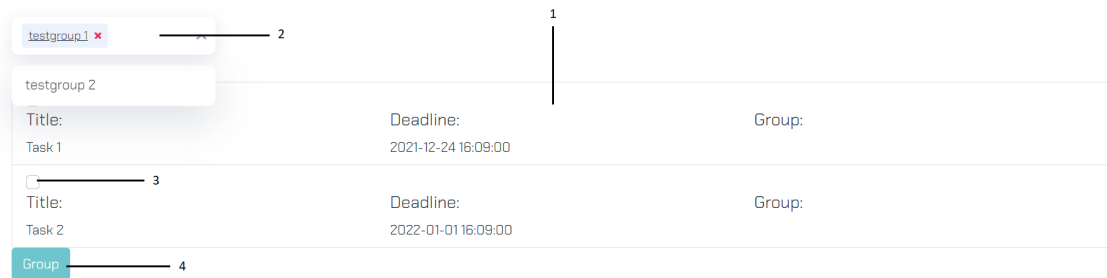


Fig. 20: Assign tasks to groups

3.10.3 Removing a Group

Removing a group is done by navigating to the group and pressing the delete-icon (1).

A prompt awaiting confirmation to delete the group appears where you can either confirm the deletion or cancel the action. Confirm the changes by pressing the "Confirm" button.

When a group is removed only the group itself is removed.

Any Tasks assigned to the groups will not be deleted.

Since groups can be nested deleting a group containing another group is not possible.

You will get an alert denoting this error (Fig. 23).



Fig. 21: Removing a group

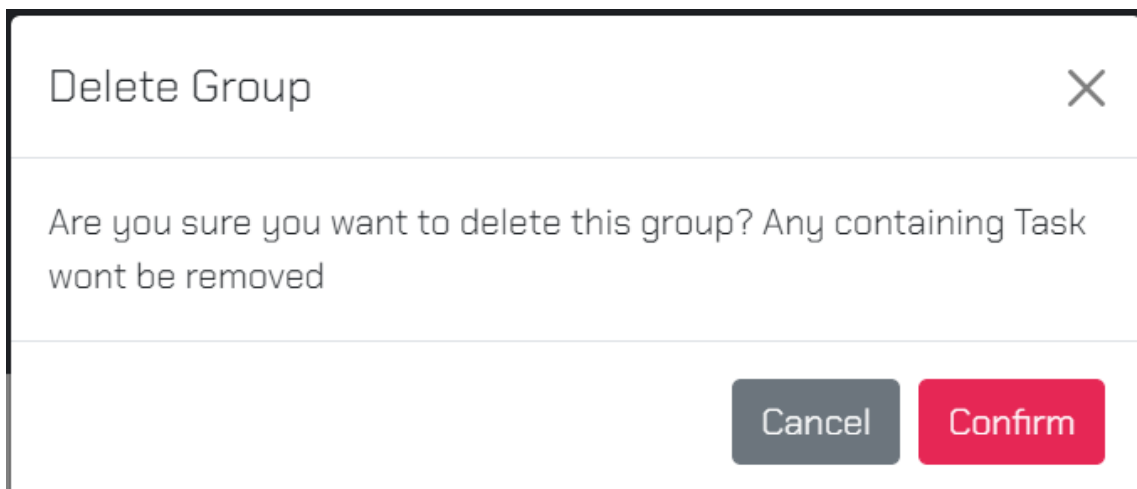


Fig. 22: Prompt for deleting a group

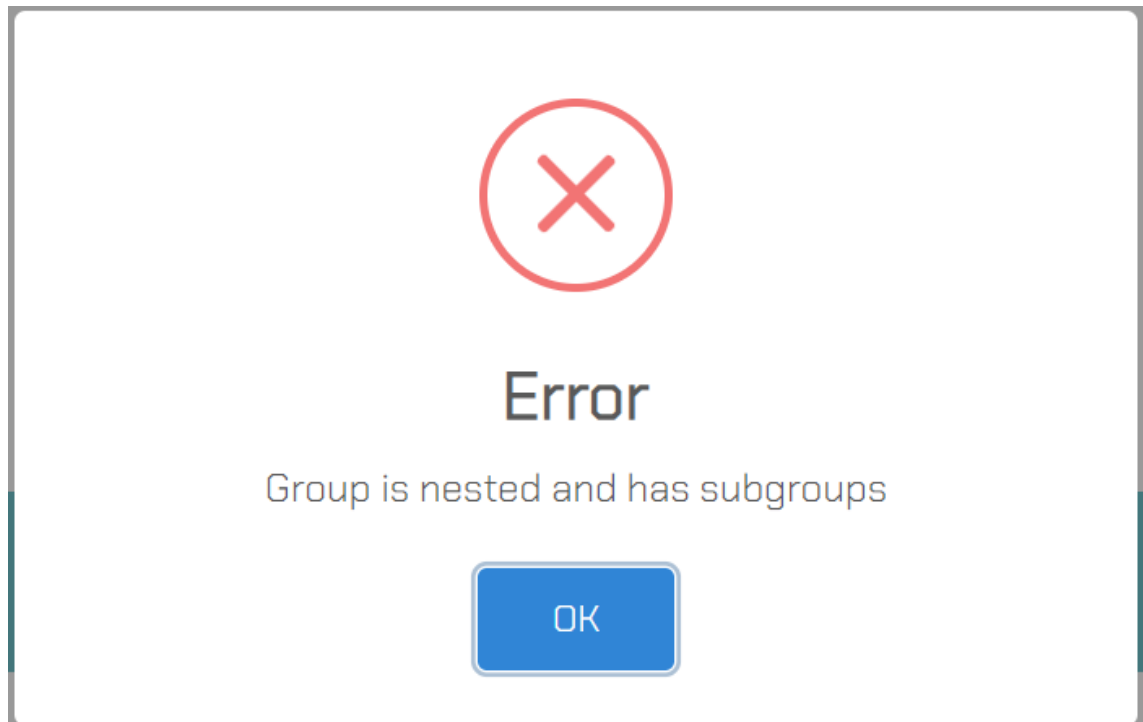


Fig. 23: Trying to delete nested groups

3.11 Delete tasks (u460)

To delete a task, navigate to the card with the task which you want to delete. In order to be able to delete a task you need to be the author of it. Press the toggle element (1) on the card and proceed to click on the "Delete" button (2).

You will get a prompt with a warning indicating that deleting the task will permanently remove it from the system.

Here you can either confirm or cancel the action.

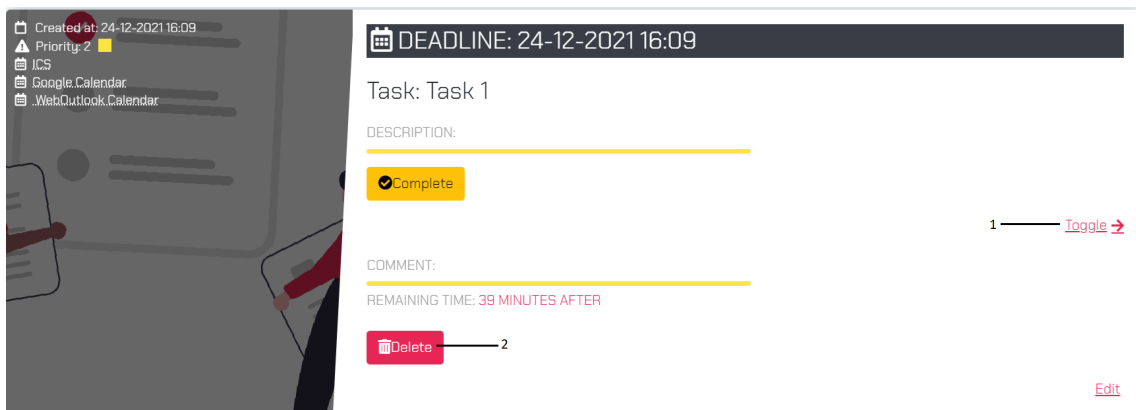


Fig. 24: Deleting a task

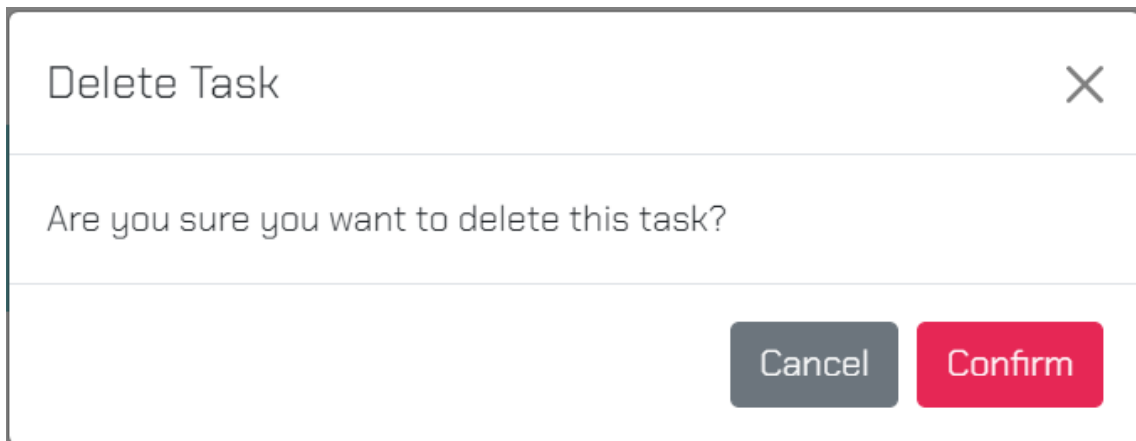


Fig. 25: Prompt for deleting a task

3.12 Retrieve Task updates (u470)

When the task has been updated while you are logged in, you can fetch the latest updates by pressing the refresh-icon on the navigation bar (Fig. 2).

3.13 Settings (u500)

Every user can change a few settings at the Settings-page:

- (1) View archived Tasks
- (2) Export and import Tasks as .xls-file
- (3) View notifications
- (4) Change language

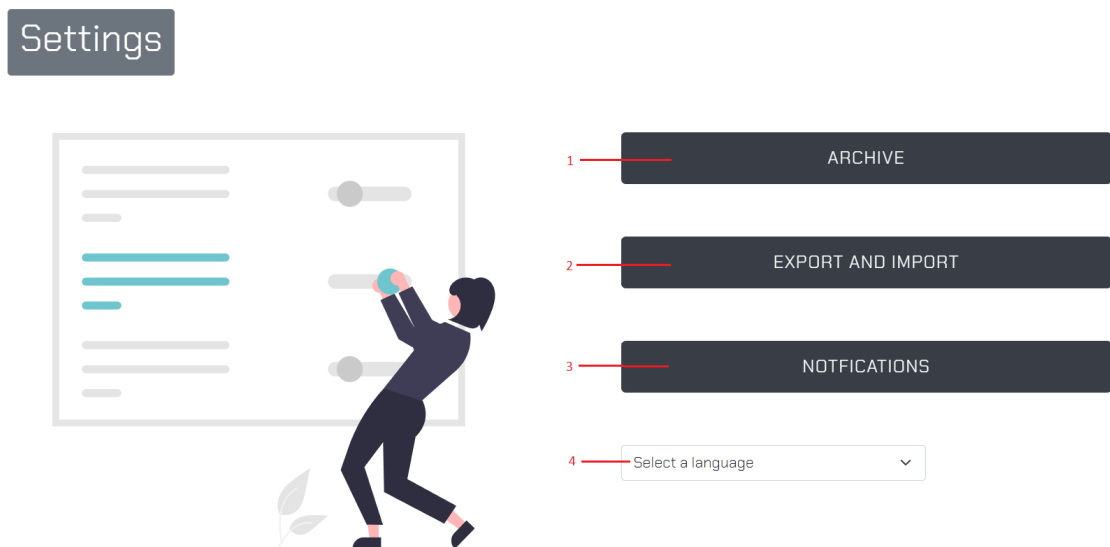


Fig. 26: Settings-page

3.13.1 Archived tasks (u530)

When a task has been completed it is relocated to the archive.

Here every task can not be deleted or edited.

By pressing on the button **Clean archive** (1) you can permanently delete every task that is in the archive once you confirm this action on a prompt.

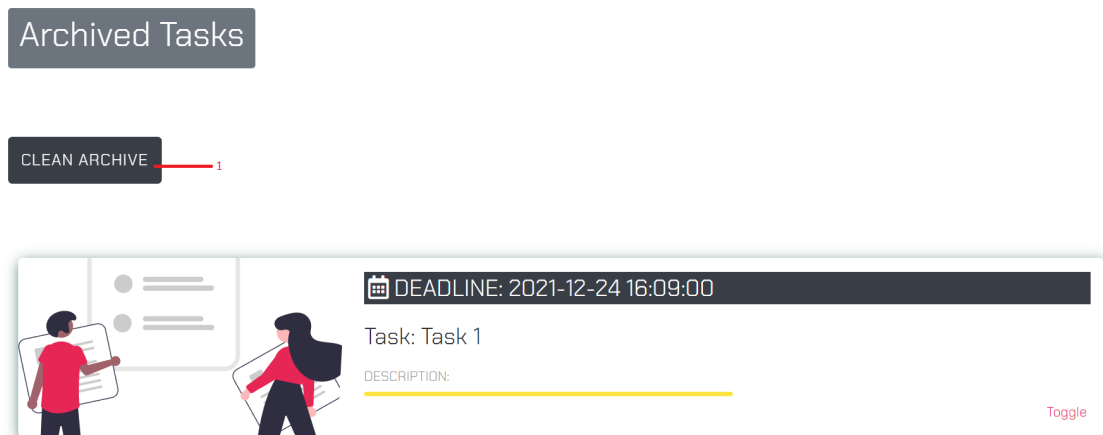


Fig. 27: Archived Tasks

3.13.2 Export and import tasks (u510, 520)

Tik Tasks allows to export and import personal tasks that the user has created.

This is a good way to share tasks with other users and to avoid recreating the same tasks.

The files are exported and imported as .xls-files (Excel). It is not advised to manually modify the files when downloaded or else they possibly can not be imported successfully.

To export current tasks click the button **Export** (3).

Any attachments or links of a task will not be exported.

To import exported tasks choose your files by clicking **Choose file** (1) and click the button **Import** (2) to import those tasks.

Make sure to select a valid .xls-file or you will receive an error.



Fig. 28: Export/Import tasks as Excel-file

3.13.3 Notification management

When a task has an alarm date specified, a notification will be sent to the user.

This notification will be sent in real time with scheduling and as an alert (1). The Notification log will be visible under the notifications-bell of the navigation bar (Fig.2) or under Settings -> Notifications.

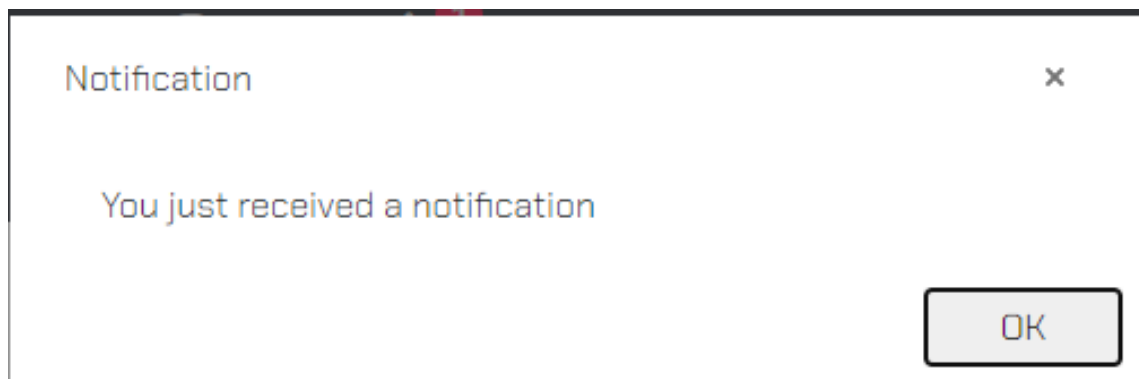


Fig. 29: Notification alert

- (1) Mark all notifications as read
- (2) Delete all notifications
- (3) Task title
- (4) Task deadline
- (5) Remaining time to deadline
- (6) Task priority
- (7) Read status
- (8) Additional options

Note that you will be prompted for options (1) and (2).

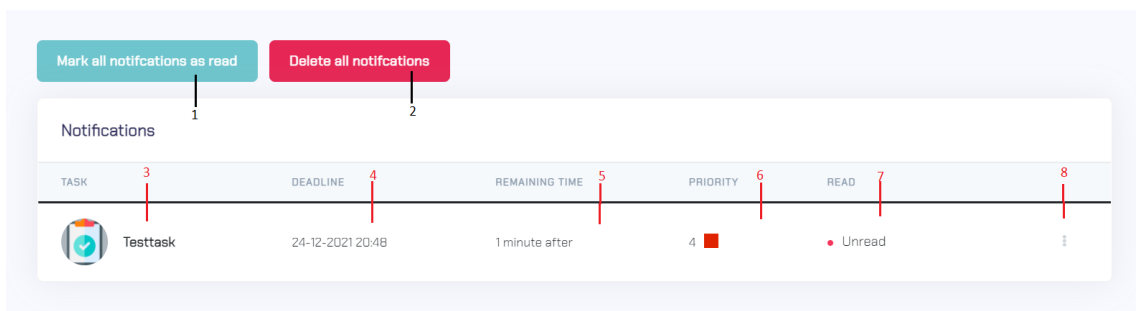


Fig. 30: Notifications page

Under Additional options you can specify your actions on just one particular notification.

- (1) Mark single notification as read
- (2) View task corresponding to the notification
- (3) Delete single notification

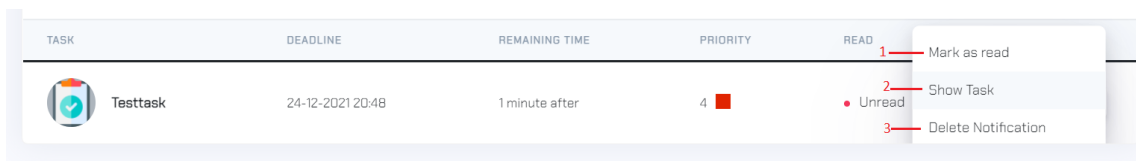


Fig. 31: Additional options

3.13.4 Change language

Tik Task can run in two different languages: English and German.
You can change this preference at the settings menu (Fig. 26).

3.14 Assign Tasks (u600)

Every user with the role **manager** can assign task to other users.
To assign one of your own tasks as manager insert one of the listed emails (1) in the email field (2).

Note that you can not insert your own account-mail otherwise you will get an error message.

Tick the checkboxes (3) of the listed tasks you want to assign to the user and confirm your input by pressing the button **Send** (4).

Any assigned Task will have a specific signature when viewed on the homepage (Fig. 33).

If you try to assign the same task to the same user more than once, any changes are not saved.

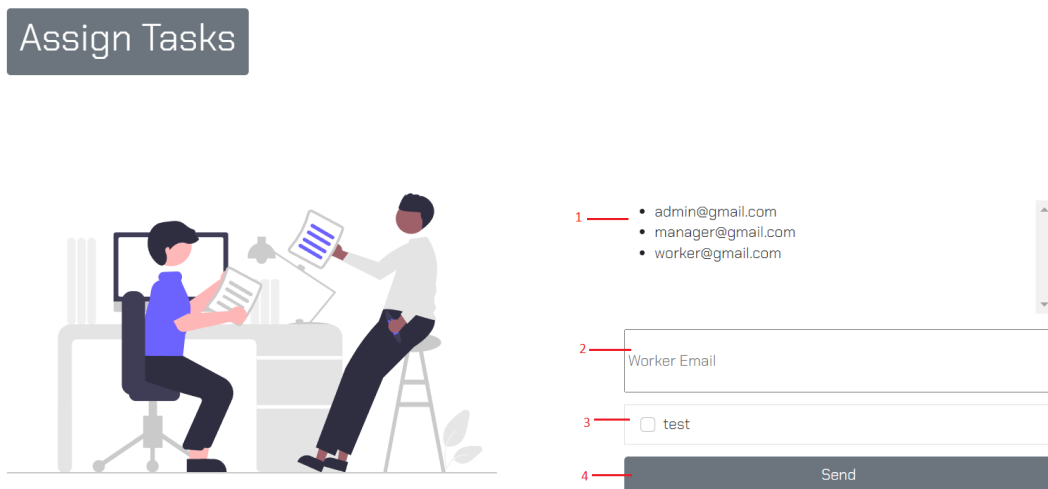


Fig. 32: Assign tasks to other users

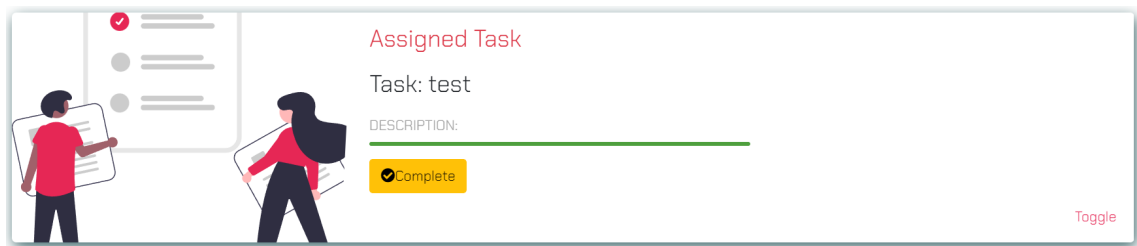


Fig. 33: View on assigned task

3.15 View public Tasks

The manager can view all available public tasks in a separate section of the homepage. These tasks can not be edited by the manager.

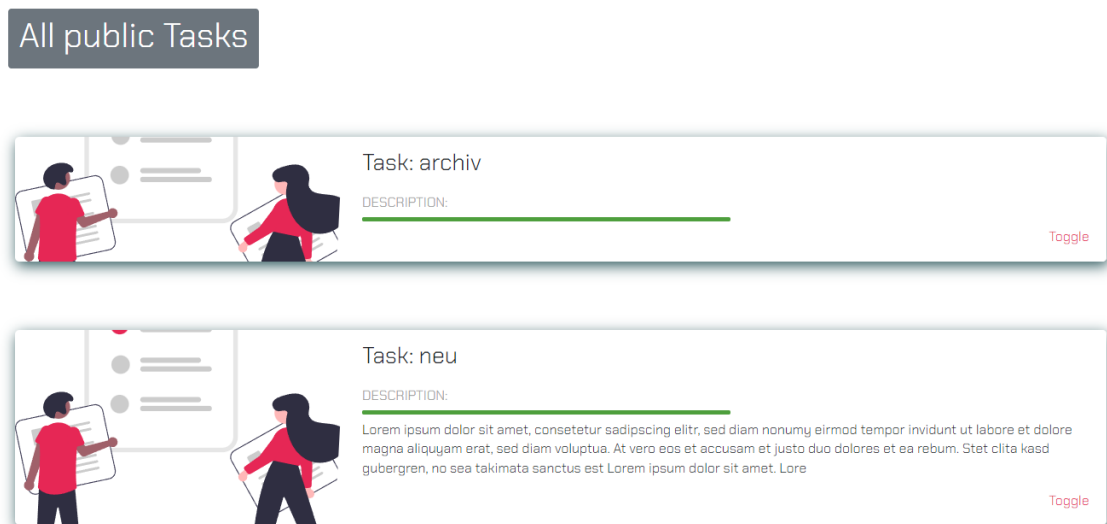


Fig. 34: Public Tasks

3.16 Systempanel (u700)

Every user with the admin-role can register, delete or edit users. In addition this user can export and import a backup of all tasks of any users at once in case any consequent damage to the database occurs.

- (1) Edit user
- (2) Register new users
- (3) Delete users
- (4) Export/Import a backup of all tasks

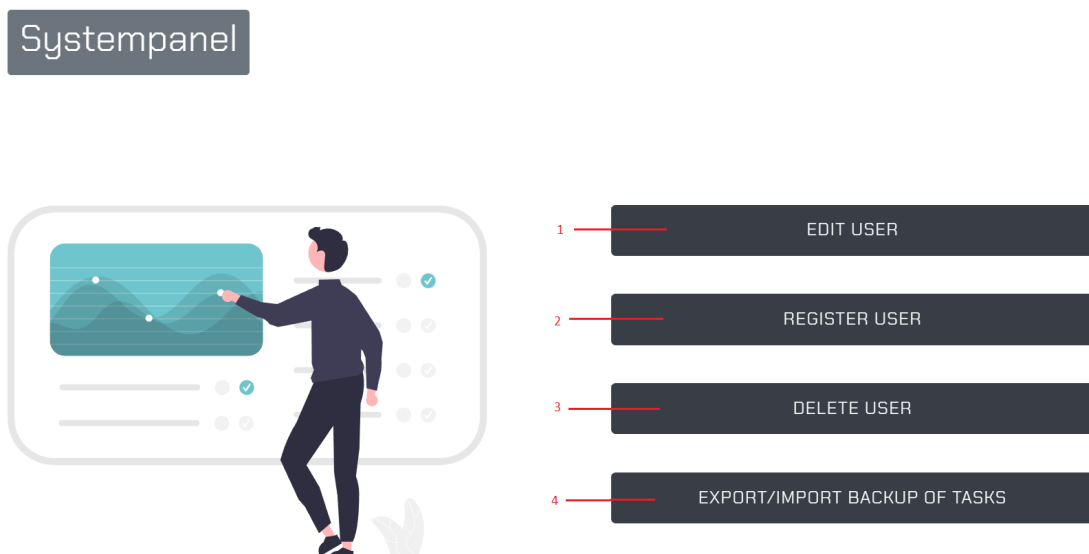


Fig. 35: Systempanel page

3.16.1 Register users (u710)

To register new users as an administrator you need to fill in a **Username** (1) and a unique **Email** (2).

Similarly to changing the personal password you need to fill in the **new password** (3) along with a **confirmation password** (4) with at least 8 characters.

If you do not specify the **role** of the new user, the default role will be **Worker**. Otherwise you have to select one of the three user roles for the new user (5). To confirm the registration press the button **Register User** (6).

The screenshot shows a web form titled "Register User". It contains the following fields and elements:

- Username**: A text input field containing "Max Musterman", labeled with a red "1".
- Email**: A text input field containing "name@example.net", labeled with a red "2".
- Password (at least 8 characters)**: A text input field containing "Neues Passwort", labeled with a red "3".
- Confirm Password**: A text input field containing "Passwort bestätigen", labeled with a red "4".
- Select role**: A dropdown menu with "Worker" selected, labeled with a red "5".
- Register User**: A large black button at the bottom, labeled with a red "6".

Fig. 36: Registering new users

3.16.2 Delete users (u720)

The admin can delete any existing user that has been registered.

To delete one user, fill in the **Email** field twice (2), (3).

A list of currently available users to delete is to be seen at the top of the page (1).

To avoid any unintended actions confirm the deletion by checking the checkbox **Confirm entry** (4).

To proceed press the button **Delete user** (5).

The screenshot shows a web form titled "Delete User". At the top, under the heading "Available Users", there is a list of three email addresses: "admin@gmail.com", "manager@gmail.com", and "worker@gmail.com". A red line with the number "1" points to this list. Below this, there are two "Email" input fields. The first field has the placeholder text "Email Adresse eingeben" and is pointed to by a red line with the number "2". The second field has the placeholder text "Email Adresse wiederholen" and is pointed to by a red line with the number "3". Below the input fields, there is a checkbox labeled "Confirm entry", which is pointed to by a red line with the number "4". At the bottom of the form is a black button with the text "Delete User" in white, pointed to by a red line with the number "5".

Fig. 37: Deleting users

3.16.3 Edit user details (u730)

To change any data of other users as an admin select the user which you want to edit (1). You can not select your own email.

Once redirected you can choose to update any current data of the user.

To save any changes filling in at least one of the 4 options (**username** (1), **email** (2), **password** (3) , **role** (5)) would suffice.

Note that you have to fill in a **confirmation password** (4) when changing to a new password.

Confirm by pressing the button "**Edit User** (6)".

The screenshot shows a web form titled "Update userdetails". It contains several input fields and a button, each with a red line and a number indicating its function:

- Name:** A text input field containing "testmanager" with a red line and the number 1.
- New password (min: 8 characters):** A text input field containing "Neues Passwort" with a red line and the number 3.
- Email:** A text input field containing "manager@gmail.com" with a red line and the number 2.
- Confirm new password:** A text input field containing "Neues Passwort wiederholen" with a red line and the number 4.
- Select role:** A dropdown menu with "Manager" selected, indicated by a red line and the number 5.
- Update User:** A large black button with the text "Update User" in white, indicated by a red line and the number 6.

Fig. 38: Editing users

3.16.4 Backups (u740)

The admin can export and import all tasks as a backup from and to .xls files. This functionality is similar to the ordinary export and import of personal tasks.

It is not advised to manually modify the files when downloaded or else they possibly can not be imported successfully.

To export current tasks click the button **Export** (3).

To import exported tasks choose your files by clicking **Choose file** (1) and click the button **Import** (2) to import those tasks.

Make sure to select a valid .xls-file or you will receive an error.

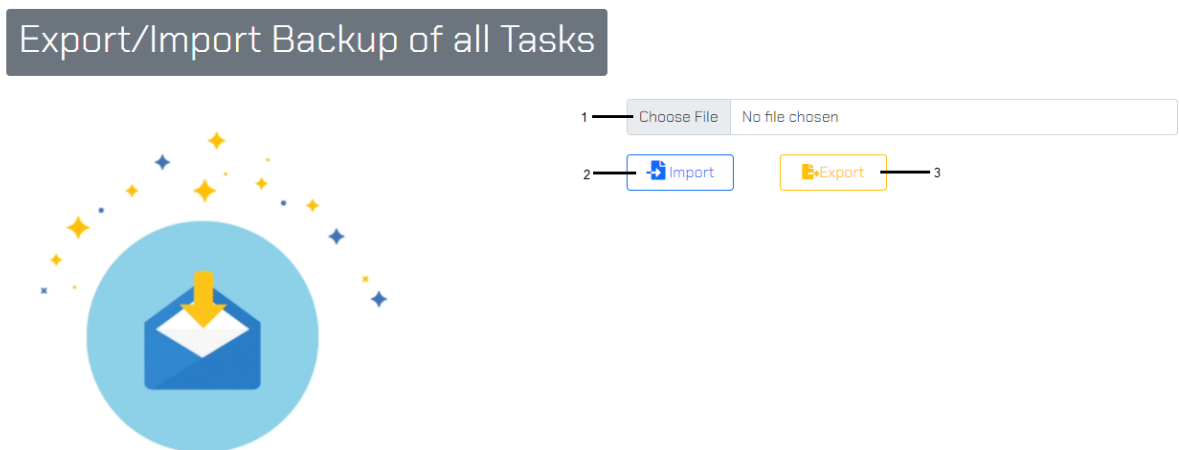


Fig. 39: Backup of all tasks

3.17 Logout

In order to close Tik Tasks and log off from the active session just press the **Log out** element in the navbar (Fig. 2) which will bring you back to the landing page.

All changes are automatically stored to the database and any sessions unset.

4 APPENDIX: DEVELOPER INSTALLATION

The following section will explain one possible way to install this software locally.

We will be using **Laragon** to manage Laravel-dependencies and **XAMPP** to manage the database.

We will clone this project from the Version-Control-System Github.

Feel free to use any other web server solution stacks or the built-in one in Laragon.

If you are already familiar with cloning laravel-projects with Git, this guide will be undemanding.

4.1 Laragon installation

Laragon: <https://laragon.org/download/>

We use Laragon so we dont have to manage single components like the composer separately.

Please make sure to download the Full Edition (Fig. 40) with PHP 7.4.

Edition

[Download Laragon - Full \(147 MB\)](#)

- **Laragon Full (64-bit):** Apache 2.4, Nginx, MySQL 5.7, PHP 7.4, Redis, Memcached, Node.js 14, npm, git, bitmana...

Fig. 40: Laragon Download

4.2 Xampp installation

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

Xampp is used to run MySQL for the database connection. Note that the default MySQL Port for Xampp is 3306.

If you already have an installation running on the same port errors might occur in the next steps.

The next subsection can be skipped if there will be no conflicts in running MySQL on 3306.

4.2.1 Change Xampp MySQL Port

You change you port in the my.ini file of the MySQL-Config:

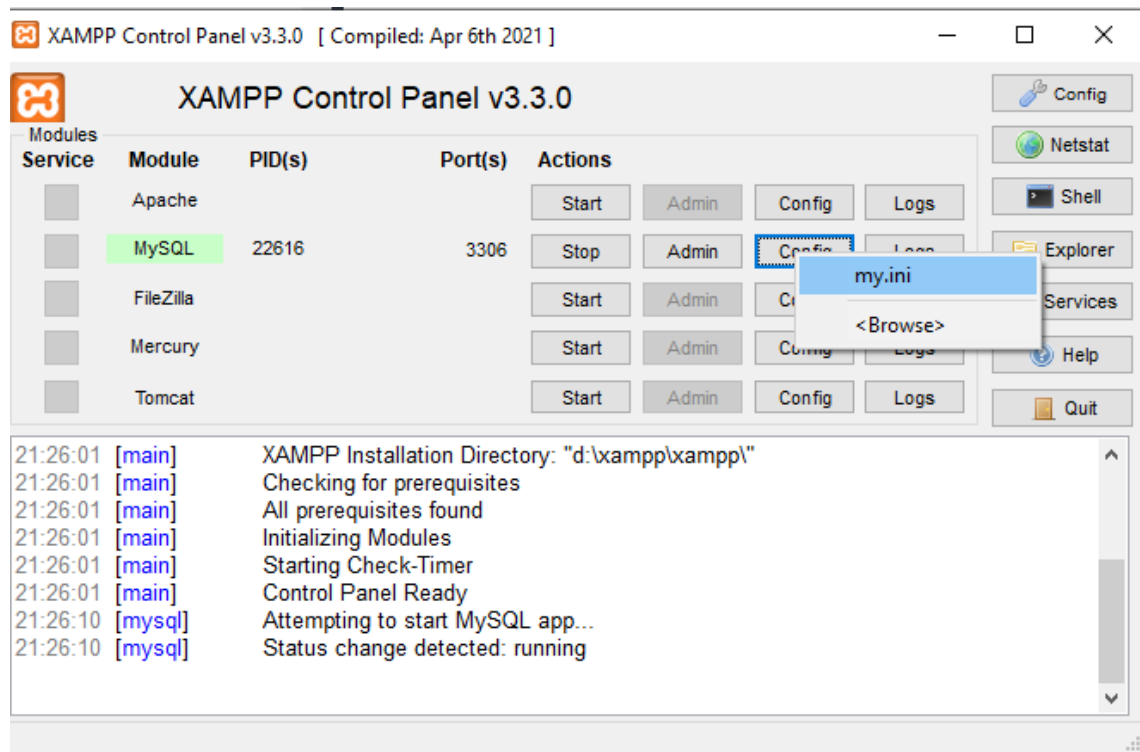


Fig. 41: Xampp MySQL Configuration

There you can just change the port setting to a different one like 3307.

my - Editor

Datei Bearbeiten Format Ansicht Hilfe

```
# Example MySQL config file for small systems.
#
# This is for a system with little memory (<= 64M) where MySQL is only used
# from time to time and it's important that the mysqld daemon
# doesn't use much resources.
#
# You can copy this file to
# D:/Xampp/Xampp/mysql/bin/my.cnf to set global options,
# mysql-data-dir/my.cnf to set server-specific options (in this
# installation this directory is D:/Xampp/Xampp/mysql/data) or
# ~/.my.cnf to set user-specific options.
#
# In this file, you can use all long options that a program supports.
# If you want to know which options a program supports, run the program
# with the "--help" option.

# The following options will be passed to all MySQL clients
[client]
# password          = your_password
port=3306
#port=8111
socket="D:/Xampp/Xampp/mysql/mysql.sock"

# Here follows entries for some specific programs

# The MySQL server
default-character-set=utf8mb4
[mysqld]
port=3306
#port=8111
socket="D:/Xampp/Xampp/mysql/mysql.sock"
basedir="D:/Xampp/Xampp/mysql"
tmpdir="D:/Xampp/Xampp/tmp"
datadir="D:/Xampp/Xampp/mysql/data"
pid_file="mysql.pid"
# enable-named-pipe
key_buffer=16M
max_allowed_packet=1M
sort_buffer_size=512K
net_buffer_length=8K
read_buffer_size=256K
read_rnd_buffer_size=512K
```

Fig. 42: My.ini file

Now you need to change the Port in the Phpmyadmin configuration too ...

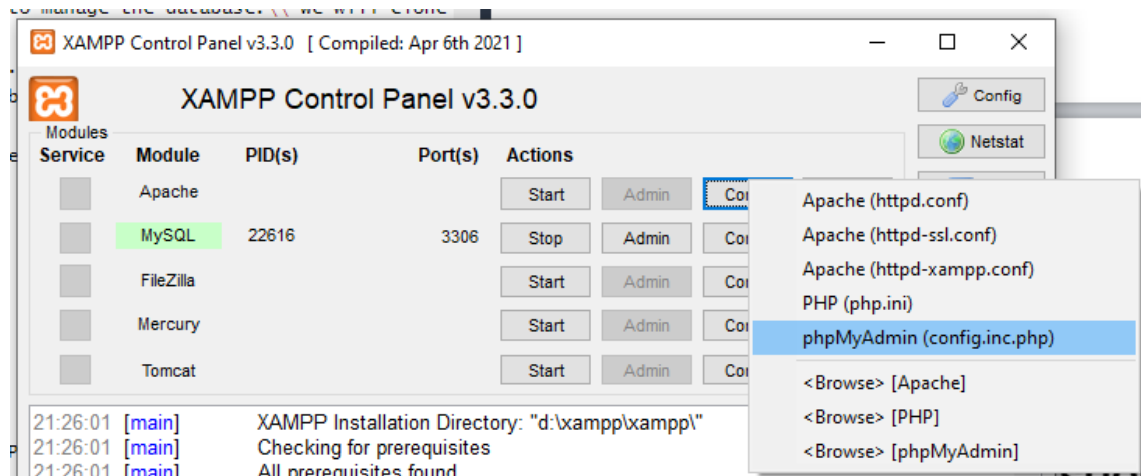


Fig. 43: Config.inc file

... by adding following line to the end of the file:

```
$cfg['Servers'][$i]['port'] = '3304' // (your new portnumber)
```

```
/* Advanced phpMyAdmin features */
$cfg['Servers'][$i]['pmadb'] = 'phpmyadmin';
$cfg['Servers'][$i]['bookmarktable'] = 'pma__bookmark';
$cfg['Servers'][$i]['relation'] = 'pma__relation';
$cfg['Servers'][$i]['table_info'] = 'pma__table_info';
$cfg['Servers'][$i]['table_coords'] = 'pma__table_coords';
$cfg['Servers'][$i]['pdf_pages'] = 'pma__pdf_pages';
$cfg['Servers'][$i]['column_info'] = 'pma__column_info';
$cfg['Servers'][$i]['history'] = 'pma__history';
$cfg['Servers'][$i]['designer_coords'] = 'pma__designer_coords';
$cfg['Servers'][$i]['tracking'] = 'pma__tracking';
$cfg['Servers'][$i]['userconfig'] = 'pma__userconfig';
$cfg['Servers'][$i]['recent'] = 'pma__recent';
$cfg['Servers'][$i]['table_uiprefs'] = 'pma__table_uiprefs';
$cfg['Servers'][$i]['users'] = 'pma__users';
$cfg['Servers'][$i]['usergroups'] = 'pma__usergroups';
$cfg['Servers'][$i]['navigationhiding'] = 'pma__navigationhiding';
$cfg['Servers'][$i]['savedsearches'] = 'pma__savedsearches';
$cfg['Servers'][$i]['central_columns'] = 'pma__central_columns';
$cfg['Servers'][$i]['designer_settings'] = 'pma__designer_settings';
$cfg['Servers'][$i]['export_templates'] = 'pma__export_templates';
$cfg['Servers'][$i]['favorite'] = 'pma__favorite';
$cfg['Servers'][$i]['port'] = '3306';
/*
 * End of servers configuration
 */
?>
```

Fig. 44: Config.inc portchange

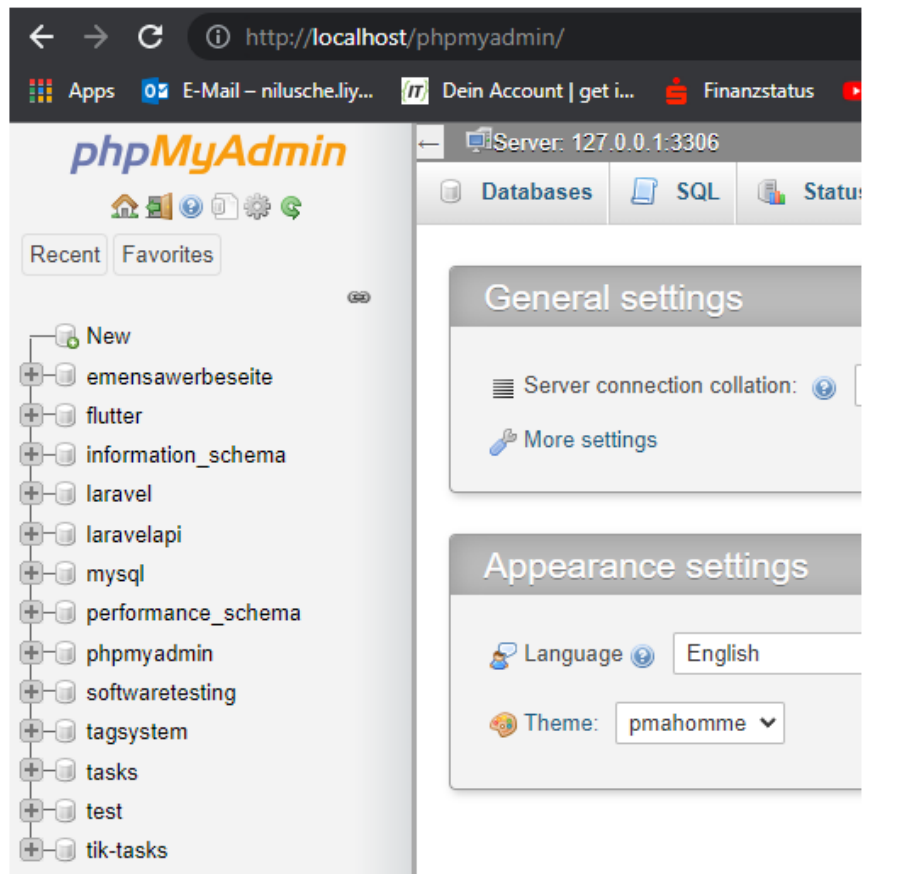
4.2.2 Creating a database in Xampp's Phpmyadmin

To store any information of the software we need to create a database. Make sure to start the Apache server and the MySQL on the Xampp panel. Open Phpmyadmin in you prefered web browser by clicking on "Admin":



Fig. 45: Opening Phpmyadmin

You can create a new database under new->create database:



Databases

Create database ?

Fig. 46: Creating a database in phpmyadmin

4.3 Cloning the project

Before starting to clone the project make sure that you started the MySQL-Server on Xampp.

If you want to check your databases in phpmyadmin you should also run the Apache Server on Xampp as well.

(Under MySQL->Actions->start).

You will need this link to clone the repository from GitHub:

<https://github.com/Nilusche/Tik-Tasks.git>

1. Open Laragon and open the terminal to get started.

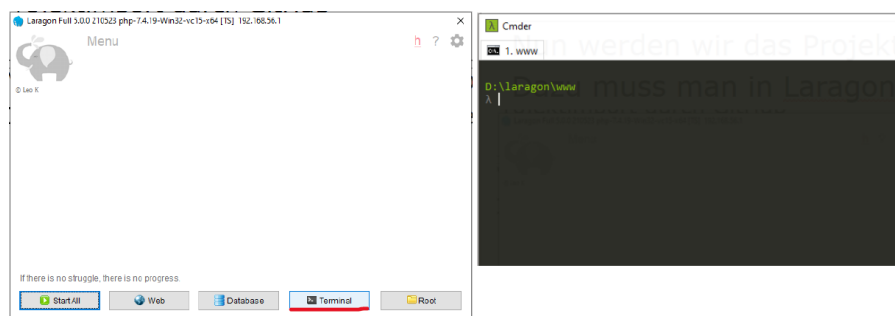


Fig. 47: Laragon terminal

2. Laragon will save the project to its "www"-folder.
To clone the project from the repository enter the following and navigate to the folder with "cd Tik-Tasks"

```
D:\laragon\www
λ git clone https://github.com/Nilusche/Tik-Tasks.git
Cloning into 'Tik-Tasks'...
remote: Enumerating objects: 2633, done.
remote: Counting objects: 100% (2633/2633), done.
remote: Compressing objects: 100% (1183/1183), done.
Receiving objects: 97% (2555/2633), 5.25 MiB | 5.24 MiB/s, done.
Receiving objects: 100% (2633/2633), 5.90 MiB | 5.24 MiB/s, done.
Resolving deltas: 100% (1859/1859), done.

D:\laragon\www
λ cd Tik-Tasks

D:\laragon\www\Tik-Tasks (master)
λ
```

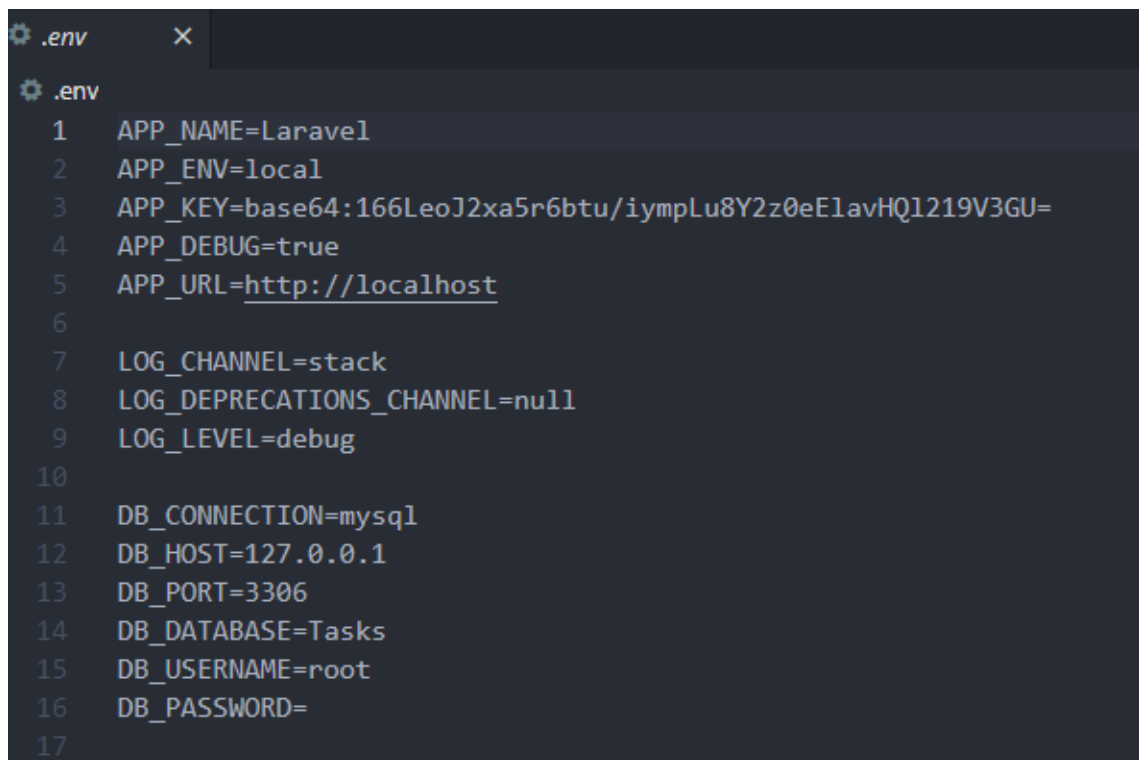
Fig. 48: Cloning from GitHub

3. Now we need to install the different used packages by running the command "composer update":
This might take a while depending on your machine's performance.

```
D:\laragon\www\Tik-Tasks (master)
λ composer update
Loading composer repositories with package information
Updating dependencies
Lock file operations: 1 install, 6 updates, 0 removals
- Upgrading ezyang/htmlpurifier (v4.13.0 => v4.14.0)
- Upgrading facade/ignition (2.17.2 => 2.17.4)
- Upgrading laravel/framework (v8.76.2 => v8.77.1)
- Upgrading laravel/sail (v1.12.11 => v1.12.12)
- Upgrading laravel/ui (v3.4.0 => v3.4.1)
- Upgrading phpunit/phpunit (9.5.10 => 9.5.11)
- Locking rtconner/laravel-tagging (4.1.1)
Writing lock file
```

Fig. 49: Installing packages

4. While the composer installs the necessary dependencies you can set up the database connection.
Open the folder Tik-Tasks in a code-editor of your choice and navigate to the file called ".env":
Make sure to choose the right port under DB_PORT you have setup (if you did before) and under DB_DATABASE the database name.



```
.env
1 APP_NAME=Laravel
2 APP_ENV=local
3 APP_KEY=base64:166LeoJ2xa5r6btu/iympLu8Y2z0eElavHQ1219V3GU=
4 APP_DEBUG=true
5 APP_URL=http://localhost
6
7 LOG_CHANNEL=stack
8 LOG_DEPRECATIONS_CHANNEL=null
9 LOG_LEVEL=debug
10
11 DB_CONNECTION=mysql
12 DB_HOST=127.0.0.1
13 DB_PORT=3306
14 DB_DATABASE=Tasks
15 DB_USERNAME=root
16 DB_PASSWORD=
17
```

Fig. 50: .env file

5. Since we are cloning the project from git and not creating it from scratch you need to set Laravel's App key. Just run following commands:

```
D:\laragon\www\Tik-Tasks (master)
λ php artisan key:generate

D:\laragon\www\Tik-Tasks (master)
λ php artisan config:clear
```

Fig. 51: Generating new App key

6. Now you start filling the database with tables:

```
D:\laragon\www\Tik-Tasks (master)
λ php artisan migrate
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated: 2014_10_12_000000_create_users_table (422.37ms)
Migrating: 2014_10_12_100000_create_password_resets_table
Migrated: 2014_10_12_100000_create_password_resets_table (856.43ms)
Migrating: 2019_08_19_000000_create_failed_jobs_table
Migrated: 2019_08_19_000000_create_failed_jobs_table (502.94ms)
Migrating: 2019_12_14_000001_create_personal_access_tokens_table
Migrated: 2019_12_14_000001_create_personal_access_tokens_table (569.43ms)
Migrating: 2021_11_06_224754_create_tasks
Migrated: 2021_11_06_224754_create_tasks (156.33ms)
Migrating: 2021_11_12_113844_create_tags_table
Migrated: 2021_11_12_113844_create_tags_table (182.59ms)
Migrating: 2021_11_12_115800_create_task_tag_table
Migrated: 2021_11_12_115800_create_task_tag_table (182.03ms)
Migrating: 2021_11_16_122906_create_user_has_task_table
Migrated: 2021_11_16_122906_create_user_has_task_table (210.45ms)
Migrating: 2021_11_22_120955_create_notifications_table
Migrated: 2021_11_22_120955_create_notifications_table (944.28ms)
```

Fig. 52: Migrating tables to the database

7. Since we have prepared three sample users you should also seed the table with this data:

```
D:\laragon\www\Tik-Tasks (master)
λ php artisan db:seed
Seeding: Database\Seeders\UsersTableSeeder
Seeded: Database\Seeders\UsersTableSeeder (911.00ms)
Database seeding completed successfully.
```

Fig. 53: Seeding tables with data

8. All you need to do is to start the project and open your localhost-address in the browser.

<http://127.0.0.1:8000/>

```
D:\laragon\www\Tik-Tasks (master)
λ php artisan serve
Starting Laravel development server: http://127.0.0.1:8000
```

Fig. 54: Starting the project

9. Now you can start enjoying all the functionalities of Tik Tasks.

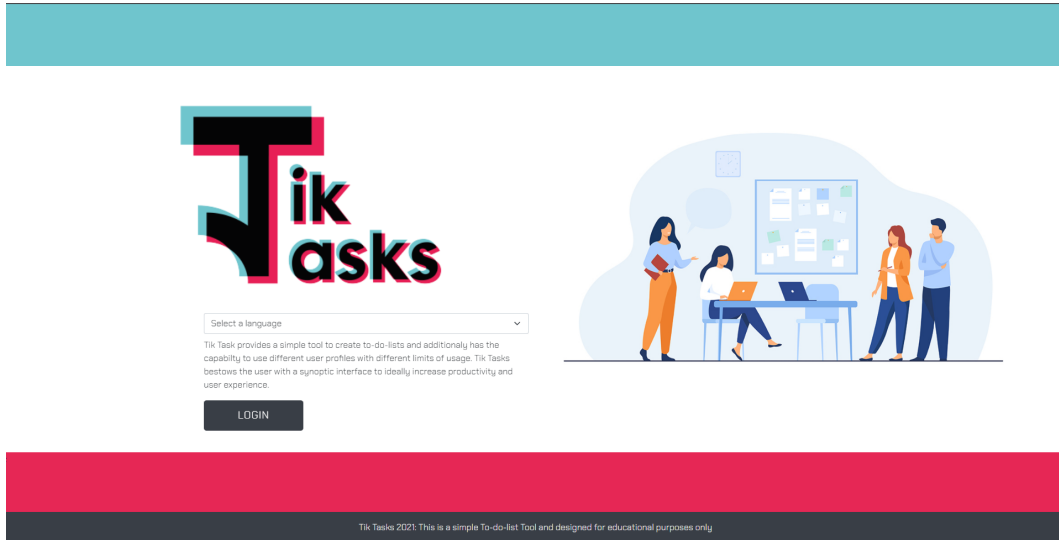


Fig. 55: Landing page

5 APPENDIX: TROUBLESHOOTING

Troubleshoot problems and get support.

5.1 Developer installation problems

5.1.1 General problems

Problems	Cause	Solutions
SQLSTATE[HY000] [2002] Connection refused	Failed to connect to MySQL	If not already started, start the mysql server Make sure the Mysql port and the port specified in the .env file is the same
SQLSTATE[HY000] [1049] Unknown database	Wrong database selected	Make sure you have selected the right database in the .env file and in the database management system (phpmyadmin)
A task just expired but I have not received a notification even though I enabled the alarm	The Scheduler is not running in the background	run "php artisan schedule:work" in the console
"These credentials do not match our records" when trying to login with the prepared accounts Getting error "These credentials do not match our records" when trying to login with the prepared accounts	Migrations have been run but database seeding forgotten	run "php artisan db:seed" after migrating in the console

5.1.2 Xampp Problems

Problems	Cause	Solutions
MySQL shutdown unexpectedly	Blocked Port	Change your Xampp port to a different one
"This site can not be reached" when opening phpmyadmin	Apache Server is not running	Start Apache-server in Xampp