

# Temporal Issue Tracking System

## User Manual

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# 1 Requirements

## 1.1 Functional

FR1

FR2

## 1.2 Non-functional

## 1.3 Implementation

# 2 Pages

## 2.1 Login

The first page user sees is the login page. The page consists of the login form and the button, leading to the signup page (in case the user does not have an account yet).

Temporal Issue Tracking System [Sign Up](#)

[Link to the signup page](#)

**Login form**

Login

Enter your login

Password

Enter your password

Log in

Figure 1: Login page

The login form consists of the labelled input fields for the login and password and the button that submits entered credentials when it's clicked. In order to improve user experience, user can log in using just keyboard for the login field is focused immediately after page is loaded and then one can switch to the password field pressing Tab (Shift-Tab to switch back) and submit the form by pressing Enter. After the field loses focus, it is pre-validated against the general rules, applicable to login and password (login should start with a letter and contain only alphanumeric characters, password should not be shorter than 5 characters) and it is styled according to the validation result. If validation fails,

an information message is shown. On form submit all the fields are validated simultaneously.

The screenshot shows the 'Temporal Issue Tracking System' header with a 'Sign Up' link. The login form has two fields: 'Login' and 'Password'. The 'Login' field contains 'asdf' and is highlighted with a green border and a green checkmark, with the text 'Successfully validated field' to its right. The 'Password' field contains the placeholder 'Enter your password' and is highlighted with a red border and a red X, with the text 'Unsucessfully validated field' to its left. A red message box next to the password field states 'Your password must be at least 5 characters long' and 'Information message'. A blue 'Log in' button is at the bottom.

Figure 2: Input pre-validation

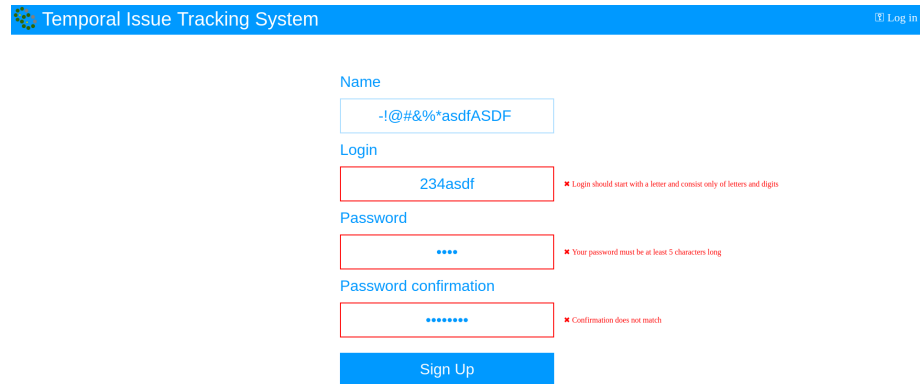
On form submit (in case field pre-validation succeeded) credentials are being checked and if they are correct, the user is redirected to the home page. Otherwise an information message is shown and password field is erased.

The screenshot shows the 'Temporal Issue Tracking System' header with a 'Sign Up' link. The login form has two fields: 'Login' and 'Password'. The 'Login' field contains 'asdf' and has a green checkmark to its right. The 'Password' field is empty and has the placeholder 'Enter your password'. A blue 'Log in' button is at the bottom. A red message box at the bottom states 'Entered credentials are invalid, try again' and 'Information message'.

Figure 3: Login failed due to incorrect credentials

## 2.2 Signup

Signup page is similar to the login page but differs in the contents of the form. Signup form contains the following fields: name, login, password and confirmation. Pre-validation rules are the same for the username and password, name is not validated and password confirmation is checked against the password (if the values match). The button in the top-right corner leads to the login page.



Temporal Issue Tracking System [Log in](#)

Name  
-!@#&%\*asdfASDF

Login  
234asdf ✖ Login should start with a letter and consist only of letters and digits

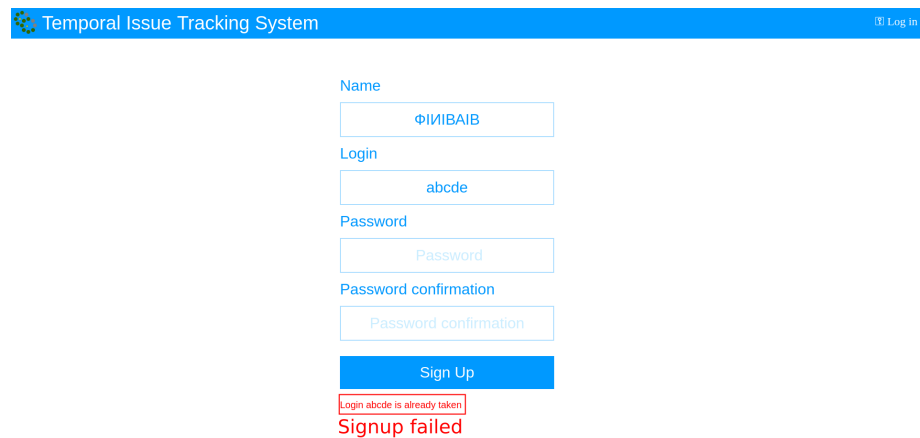
Password  
.... ✖ Your password must be at least 5 characters long

Password confirmation  
..... ✖ Confirmation does not match

Sign Up

Figure 4: Signup page

On signup the entire form is pre-validated and (in case of success) the login is checked for availability and the result is shown as an information message and passwords fields are erased. In case of success other fields are erased too.



Temporal Issue Tracking System [Log in](#)

Name  
ΦΙΙΙΒΑΙΒ

Login  
abcde

Password  
Password

Password confirmation  
Password confirmation

Sign Up

Login abcde is already taken  
Signup failed

Figure 5: Signup failed due to login being already taken

Temporal Issue Tracking System [Log In](#)

Name

Login

Password

Password confirmation

[Sign Up](#)

Successfully registered, you may login now

Login successful

Figure 6: Signup succeeded

## 2.3 Home

After user is logged in, the home page is shown. The header (which is virtually the same throughout the entire application) serves as a navigation menu, shows the name of the current user (and login in the tooltip) and lets the user to log out.

In the main part of the page the application title and welcome message is shown above the list of the tasks, requiring user's attention the most. Task entries will be discussed later in this Manual.

Home Tasks Statuses Users [Navigation bar](#) [Yan Doroshenko](#) [Log Out](#)

Temporal Issue Tracking System Application title

Welcome, Yan Doroshenko Current user's name

Tasks below require your attention the most Welcome message

name: New Deadline: 01.11.2017  
 Reporter: Yan Doroshenko (yan)  
 Assignee: staff (staff)

Name: New Deadline: 11.11.2017  
 Reporter: Yan Doroshenko (yan)  
 Assignee: Yan Doroshenko (yan)

Task name: New Deadline: 17.11.2017  
 Reporter: Yan Doroshenko (yan)  
 Assignee: Yan Doroshenko (yan)

ANOTHER DESCRIPTION TEST: New Deadline: 22.11.2017  
 Reporter: Yan Doroshenko (yan)  
 Assignee: Test (test)

DESCRIPTION TEST: New Deadline: 24.11.2017  
 Reporter: Yan Doroshenko (yan)  
 Assignee: Yan Doroshenko (yan)

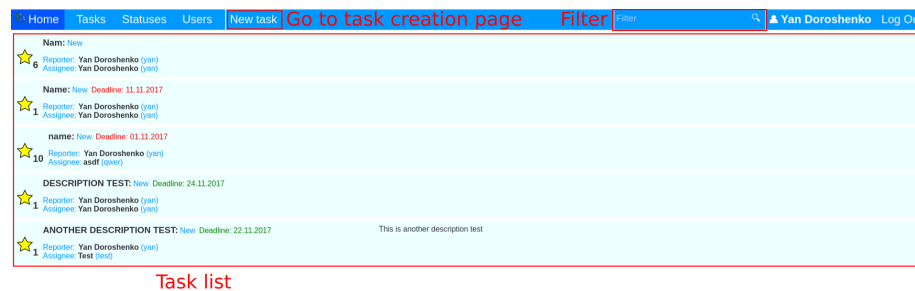
Most important tasks list

Figure 7: Home page

## 2.4 Tasks

### 2.4.1 List

Task list can be accessed using the navigation bar in the header. This page shows the paginated list of all the tasks. The number of all the tasks is shown in the bottom-right angle together with the indicator, which entries are show on the current page. Bottom-left corner accomodates page navigation buttons. Tasks can be searched by name and description using the filter in the header. There is also a button, redirecting to the task creation page, in the header.



Page navigation

Entry count and  
page indication

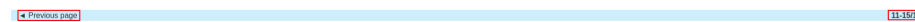


Figure 8: Task list page

Each task entry contains most information about the task: name, priority (1 to 10, 1 is the most important), description, status icon and title, deadline (shown in red if passed), reporter's and assignee's name and login. Clicking on the entry redirects to the task details page.

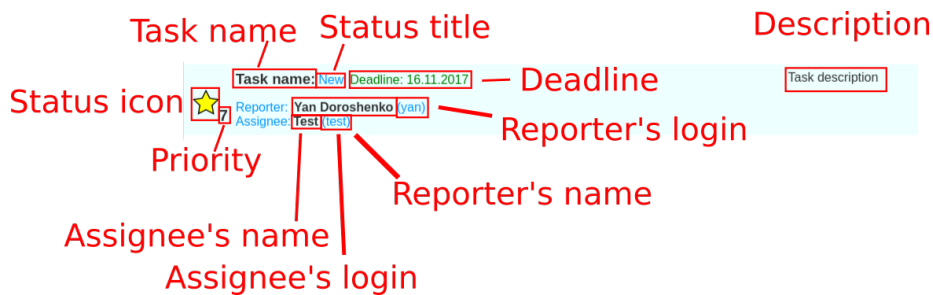


Figure 9: Task entry

### 2.4.2 Creation

Task creation page can be accessed from the task list page via the button in the header. It contains the form, letting the user to provide the details for the new task. There are only two required fields - priority and task name. All the other fields are optional. Task is created by clicking the "Create" button.

Home Tasks Statuses Users Yan Doroshenko Log Out

Priority

5 ✓

Deadline

mm/dd/yyyy

Assignee

None

Name

Task name ✖ Name should not be empty

Description

Task description

Create

Figure 10: Task creation page

### 2.4.3 Details

Task details page shows the task details and allows the reporter to edit the task.

Home Tasks Statuses Users Yan Doroshenko Log Out

Status icon Task name Task deadline Comment field

Task priority Task description Task reporter

Status title Task assignee Save button

Yan Doroshenko (yan) on 2017-11-14 10:27:50  
Assigned asdf(qwer)  
Comment: Deadline set to 2017-11-09.

Yan Doroshenko (yan) on 2017-11-14 10:27:44  
Comment: Deadline removed.  
Task unassigned.

Yan Doroshenko (yan) on 2017-11-14 10:27:38  
Priority change: from 10 to 5  
Assigned Test(test)  
Comment: Deadline set to 2017-11-30.

Yan Doroshenko (yan) on 2017-11-14 10:21:06  
Priority change: from 9 to 10  
Comment: Deadline removed.

Yan Doroshenko (yan) on 2017-11-14 10:21:00  
Assigned Yan Doroshenko(yan)

Figure 11: Task details page



Comment field is for everyone to fill. Submitting a comment creates a log entry with a comment.

Reporter can edit priority, status, assign and unassign users, add, edit and remove deadline.

Assignee can change status.

Note: status can't be changed once task is assigned a final status.

Save button saves the changes, updates the task and creates an action log entry, containing all the changes made.

The screenshot shows a web interface for task management. At the top, there's a navigation bar with 'Home', 'Tasks', 'Statuses', and 'Users'. On the right, a user profile for 'Yan Doroshenko' with a 'Log Out' button is visible. The main form contains several input fields and buttons, each labeled in red:

- Status icon**: A blue triangle icon.
- Task priority**: A dropdown menu showing '5'.
- Status title**: A label 'Test status'.
- Task name**: A text input field.
- Task description**: A text area with a placeholder 'Enter priority long description'.
- Task deadline**: A date input field showing '11/09/2017'.
- Task reporter**: A dropdown menu showing 'Yan Doroshenko (yan)'.
- Task assignee**: A dropdown menu showing 'asdf (qwer)'.
- Comment field**: A text area with a placeholder 'Your commentary' and a 'Save task' button below it.
- Action log**: A section containing a list of log entries.
- Save button**: A button labeled 'Save task'.

The action log entries are as follows:

- Yan Doroshenko (yan) on 2017-11-14 10:27:38  
Assigned asdf(qwer)  
Comment: Deadline set to 2017-11-09.
- Yan Doroshenko (yan) on 2017-11-14 10:27:44  
Comment: Deadline removed.  
Task unassigned.
- Yan Doroshenko (yan) on 2017-11-14 10:27:58  
Priority change: from 10 to 5  
Assigned Test(test)  
Comment: Deadline set to 2017-11-30.
- Yan Doroshenko (yan) on 2017-11-14 10:28:06  
Priority change: from 9 to 10  
Comment: Deadline removed.
- Yan Doroshenko (yan) on 2017-11-14 10:28:53  
Assigned Yan Doroshenko(yan)

Figure 12: Task details page

Action log entry contains information about the user, performing the action, date and time when it was performed, description of all the changes, and a comment.

This block shows a close-up of a single action log entry. The text is as follows:

**User name**: Yan Doroshenko (yan) **User login**: (yan) **Performed on**: 2017-11-14 10:27:38

**List of changes**: Priority change: from 10 to 5  
Assigned Test(test)

**Comment**: Comment: Deadline set to 2017-11-30.

Figure 13: Action log entry

## 2.5 Statuses

### 2.5.1 List

The status list page can be accessed via the button in the header. It has the same paging, filtering and entry creation features as described before regarding the task list page.

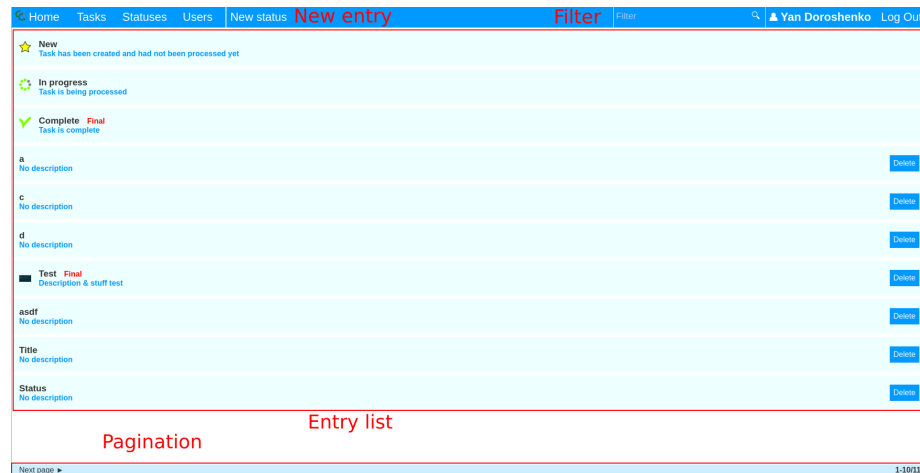


Figure 14: Status list page

Status entry contains all the information about the status (title, description, icon, whether the status is final) and enables deletion of the non-system statuses (system statuses are firmly set and can not be deleted).

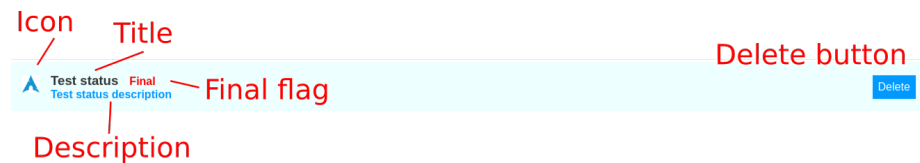


Figure 15: Status entry

When "Delete" button is clicked, status is checked for dependent tasks (task that had this status set at some point). If nothing is found, status is deleted and the list is refreshed. Otherwise, information message is shown.

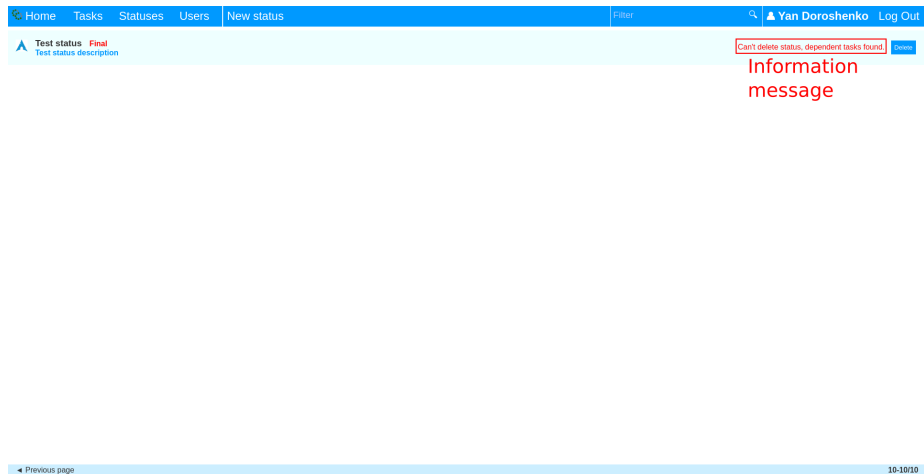


Figure 16: Status deletion failed

### 2.5.2 Creation

Status creation page can be accessed from the status list page via the button in the header. It contains the form, letting the user to provide the details for the new status. Title is required. Checking the "Final" checkbox means that the task's status can't be changed after this status is assigned. Icon upload file is checked to be a valid image file.

Figure 17: Status creation page