# Automated Dispatcher

User Manual
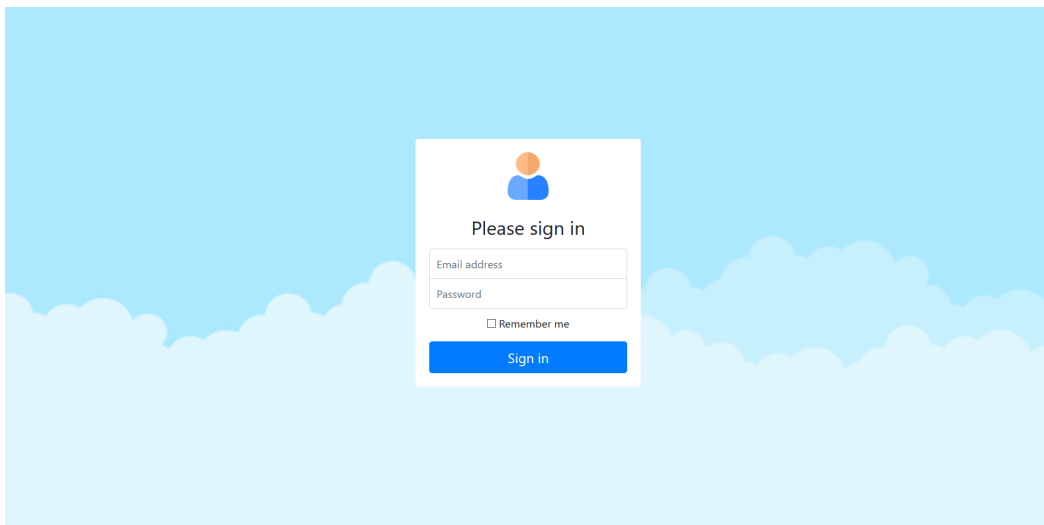
# Introduction

The purpose of the Automated Dispatcher web application is to help software development teams stay organized, have a general overview of their progress and be informed about the tasks of every team member. The role of this document is to present the main features of the application to the user and help him/her understand how to use this tool so that it will enhance the way tasks are being completed. The application will be able to run on any machine that is capable of running a common web browser.

# Authentication

When the user first accesses the page, the following login screen will appear:



The user has to introduce his credentials in the form. If the input is valid he will be redirected further, otherwise, he will stay on this screen and will be provided with a warning message. The username is the user's email therefore the field will have to contain a valid email address. If the "remember me" checkbox is ticked, then the next time the user will get to the login screen his email address will be already completed. Also, when the user logs in for the first time, he will have the option to change his password. ( when a manager creates an account he will provide a temporary password )

# User Roles

After a user logs in the application, it will be redirected to a predetermined screen, whose contents will be customized based on the user's role (programmer or manager). The manager role is designed in such a way that it will enable the user to see all the useful information regarding team members, current tasks, and progress. The manager can also edit or delete items in the application, such as tasks or even user accounts.

| Automated Dispatcher - Manager | Meniu principal | Adauga task | Adauga angajat nou | Adauga skills | Logout |

## Meniu Manager

### Lista Tasks

Show 10 entries                                                                 Search:

| Nume | Status | Prioritate | Timp estimat | Data inceput | Data final | Angajat | Optiuni |
|---|---|---|---|---|---|---|---|
| Configure database server | In progress | 7 | 4 | 18-May-20 | | Andrei Iovescu | Editeaza \| Detalii \| Sterge |
| Code flow maintenance | In progress | 5 | 2 | 23-May-20 | | Alexandru Borza | Editeaza \| Detalii \| Sterge |
| Code testing | In progress | 3 | 2 | 24-May-20 | | Bogdan Voicu | Editeaza \| Detalii \| Sterge |

Showing 1 to 10 of 13 entries                                     Previous   1   2   Next

### Lista Programatori

Show 10 entries                                                                 Search:

| Prenume | Nume | Norma de lucru | Current Workload | Optiuni |
|---|---|---|---|---|
| Adrian | Tuns | 6 | 5 | Editeaza \| Detalii \| Sterge |

The programmer role has a more focused and simple design. The primary purpose of the programmer screen is to present the tasks assigned to the logged user and to let the user access the details of each request.

# Meniu programator

## Lista Taskuri

Show 10 ⌄ entries                                                                    Search: [              ]

| Nume | Prioritate | Timp Estimat | Data inceput | Optiuni |
|---|---|---|---|---|
| Create Models for the database | 1 | 1 | 25-Apr-20 12:00:00 AM | Detalii |
| Implement functional login | 5 | 2 | 27-Apr-20 12:00:00 AM | Detalii |
| Create CRUD methods | 2 | 2 | 28-May-20 12:00:00 AM | Detalii |

Showing 1 to 3 of 3 entries                                          Previous  1  Next

# Manager Features

## Creating a New User

When choosing the option "adauga angajat nou", the manager will be taken to the following screen:

### Introduceti datele noului angajat:

Prenume

[                    ]

Nume de familie

[                    ]

Rol (0-manager 1-programator)

[                 ⬍]

Username

[                    ]

Parola

[                    ]

Norma de lucru (ore/zi)

[                 ⬍]

Create                    Inapoi la lista

Here, he will have to introduce the details of the new employee. As it can be seen, he will have to introduce the name, the role, the username, the password (temporary password created for first-time use), and the

working hours. The role field must be either 0 for a manager or 1 for a programmer and the username must be a valid email address.

## Adding a New Task

When the manager wishes to add a new task, all that it has to do is to press the "Adauga task" button and the following screen will be loaded.



In order to successfully create a new task the following information has to be introduced: a valid name for the task, the time in which the task would be preferred to be completed, the priority of the task (1 representing the highest and 10 the lowest priority) and a description that would cover all the required aspects so that the task could be marked as complete. After creating a task, it will be automatically assigned to an employee. The programmer with the lowest  workload (current) will be assigned to it and in case of more programmers having the same workload, the one with more working hours will have priority.

# Editing fields

## Edit task



### Meniu Manager

#### Lista Tasks

Show 10 entries        Search:

| Nume | Status | Prioritate | Timp estimat | Data inceput | Data final | Angajat | Optiuni |
|---|---|---|---|---|---|---|---|
| Configure database server | In progress | 7 | 4 | 18-May-20 | | Andrei Iovescu | Editeaza | Detalii | Sterge |

## Edit programer

### Lista Programatori

Show 10 entries        Search:

| Prenume | Nume | Norma de lucru | Current Workload | Optiuni |
|---|---|---|---|---|
| Adrian | Tuns | 6 | 5 | Editeaza | Detalii | Sterge |

The manager can edit details about a task or a programmer. After choosing the "editeaza" option, they will be sent to the respective page. The "programator asignat" field of task edit is read-only because it will not make sense to change the name of the programmer assigned to a task from this page since a programmer edit page exists

### Edit task

Actualizeaza informatiile task-ului:

Programator asignat

Andrei Iovescu

Nume task

Configure database server

Prioritatea (min 10 - 1 max)

7

Timp estimat (ore)

4

Descriere

-

Save      Inapoi la meniu

### Edit programmer

Editeaza datele angajatului:

Prenume

Adrian

Nume de familie

Tuns

Rol (0-manager 1-programator)

1

Username

adrian.tuns99@e-uvt.ro

Parola

at2

Norma de lucru (ore/zi)

6

Save      Inapoi la meniu

# Deletion of Items

## Delete Task

### Meniu Manager

#### Lista Tasks

Show 10 entries                                                    Search: [                    ]

| Nume | Status | Prioritate | Timp estimat | Data inceput | Data final | Angajat | Optiuni |
|------|--------|------------|--------------|--------------|------------|---------|---------|
| Configure database server | In progress | 7 | 4 | 18-May-20 | | Andrei Iovescu | Editeaza \| Detalii \| Sterge |

If a task entry would become obsolete the manager has the option to delete it by simply pressing the "Sterge" button located on the right side of the table entry.

**Programator asignat**

[ Bogdan Voicu ]

**Nume task**

[ Implement G.U.I prototype ]

**Prioritatea (min 10 - 1 max)**

[ 2 ]

**Timp estimat (ore)**

[ 2 ]

**Descriere**

[ - ]

**Data inceput**

[ 22-Apr-2020 12:00 AM ]

**Data final**

[                    ]

[ Delete ]                         Inapoi la meniu

## Delete User

### Lista Programatori

Show 10 entries                                                    Search: [                    ]

| Prenume | Nume | Norma de lucru | Current Workload | Optiuni |
|---------|------|----------------|------------------|---------|
| Adrian | Tuns | 6 | 5 | Editeaza \| Detalii \| Sterge |

Another option that may be necessary is for a user account to be deleted. This can be achieved in the same way as in the task case, but in the table reserved for the user accounts.

## Detaliile angajatului:

**Prenume**

Adrian

**Nume de familie**

Tuns

**Norma de lucru (ore/zi)**

6

**Workload**

5

**Username**

adrian.tuns99@e-uvt.ro

**Delete** | Inapoi la meniu

# Programmer Features

## Details Panel

In order to access the details panel as the programmer, the user needs to click on the "Detalii" button located in the right side of the table entry.

### Lista Taskuri

Show 10 entries                                                                Search:

| Nume | Prioritate | Timp Estimat | Data inceput | Optiuni |
|------|-----------|--------------|--------------|---------|
| Style pages | 6 | 4 | 04-May-20 12:00:00 AM | Detalii |

In the Details screen, the programmer can see the information associated with the task and can also mark the task as completed by clicking the "Marcheaza ca Finalizat" button. In the event that a user is unable to complete a task because of a valid reason, the task can be refused by pressing the "Respinge Task" button and assigned to another user which is considered  by the system.

# Detalii Task

## Task ID: 57

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| | |
|---|---|
| **Name** | Style pages |
| **Description** | - |
| **Priority** | 6 |
| **ExpectedTime** | 4 |
| **StartDate** | 04-May-20 12:00:00 AM |
| **EndDate** | |
| **Employee** | Andrei |
| **Status** | InProgress |

[Inapoi la meniu] [Marcheaza ca Finalizat] [Respinge Task]