

Documentation for the final project CS50: electronic document management system DocFlow

Access to the system is available at the following links:

Heroku <https://rocky-atoll-89337.herokuapp.com>

Git [https://github.com/mkorostelev/final\\_new](https://github.com/mkorostelev/final_new)

Cloud9 [https://preview.c9users.io/maks\\_korostelov/awdwr5/final-master/](https://preview.c9users.io/maks_korostelov/awdwr5/final-master/)

The system is designed to automatically create tasks for users according to a predetermined route.

## 1. Getting started in the system:

To start work in system you can go to the [link](#), or clone project from [Git](#). If you want to work with the system on Heroku, you can log in as a user *test* password *test*. If the system is cloned from Git - you will need to create a new user. Note that access to creating a new user without authorization is only possible if the system has no users. Also for the first user will be automatically set property *Admin*, which gives the access to create new users, and edit some fields in Task and Business processes.



The screenshot shows the 'New User' form in the DocFlow system. The form is titled 'New User' and has a sub-header 'Enter User Details'. It contains several input fields: 'Name' (filled with 'Max'), 'Password' (masked with four dots), 'Confirm' (masked with four dots), and 'Email' (filled with 'max@mail.com'). There is a checkbox for 'Admin' which is checked. A 'Create User' button is at the bottom of the form. A 'Back' link is located below the form. On the left side, there is a dark green sidebar with a menu containing 'Home', 'Documentation', 'Design', 'Screenshot', and 'Users'. The top of the page has a green header with the text 'FINAL CS50' and a logo on the left that says 'CS50 only Doc Flow'.

Creating a new user.

## 2. Routes and Route points.

The Routes consist of Route points. Route is the order of the tasks which will directed to users (performers), which are indicated at the Route points. For each Route point author can give a description of the actions to be performed at this stage.

To create a Route you need to press the button «New Route» in the Route list.

CS50 only

Doc Flow

FINAL CS50

Home

Documentation

Design

Screencast

My tasks

All tasks

Files

Resumes

Routes

Route points

Bus. proc.

Users

Logout

Title

Check final project

Must be at least 3 characters long

Description

Check final project.  
Check program, documentation, design and screencast.

Author

Max

Create Route

Back

### Creating a New Route

To edit Route points for Route - you need to click on the button «Edit route points» in the Route list.

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Doc Flow

FINAL CS50

Home

Documentation

Design

Screencast

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All tasks

Files

Resumes

Routes

Route points

Bus. proc.

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Routes

Id	Title/Description	Points q-tity	Author	
2	<b>Check final project</b> Check program, documentation, design and screencast.	0	Max	Show Edit Destroy

New Route

### Editing Route points for Route.

To create a Route point you need to fill out the fields and click on the button «Create Route point».

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FINAL CS50

HomeDocumentationDesignScreencast

My tasksAll tasksFilesResumesRoutesRoute pointsBus. proc.Users

Logout

## New Route Point

Title

Check the program

Must be at least 10 characters long

Number in route

1

Description

Check the program code and design.

Route

Check final project

Performer

Max

Create Route point

Back

### Creating Route point

Example of the Route Points of Route «Check final project»:

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HomeDocumentationDesignScreencast

My tasksAll tasksFilesResumesRoutesRoute pointsBus. proc.Users

Logout

## Check final project edition

Route	Number in route	Title/Description	Performer	
Check final project	1	<b>Check the program</b> Check the program code and design.	Max	Show Edit Destroy
Check final project	2	<b>Check documentation</b> Check documentation of a project.	Dave	Show Edit Destroy
Check final project	3	<b>Check screencast</b> Check screencast.	Erica	Show Edit Destroy

New Route Point

The list of Route points of Route «Check final project»

### 3. Business processes and files

The screenshot shows the 'New Business Process' form in the FINAL CS50 system. The form includes a description field with text about a student's final project, a route dropdown menu set to 'Check final project', a file dropdown menu set to 'documentation.docx', and an author dropdown menu set to 'Max'. There is a 'Create Business process' button and a 'Back' link.

FINAL CS50

## New Business Process

Description

Check student's final project. Student name Max [Korostelov](#).  
Documentation is attached.  
URL:  
Heroku <https://peaceful-scrubland-63535.herokuapp.com/>  
Git <https://github.com/mkorostelev/final>  
Cloud9 [https://ide.c9.io/maks\\_korostelov/awdwr5](https://ide.c9.io/maks_korostelov/awdwr5)

Route

Check final project

File

documentation.docx

Author

Max

Create Business process

Back

After Route points was added to Route, you can create a business process.

#### Creating of Business process

On the basis of a Route, you can create any number of Business processes. For each of the Business process will be created some number of Tasks according to the selected Route. In addition to a business process, you can attach a file.

The screenshot shows the 'Files' page in the FINAL CS50 system. It displays a table with one file entry: 'documentation.docx' with content type 'application/vnd.openxmlformats-officedocument.wordprocessingml.document'. There are buttons for 'Show', 'Edit', 'Destroy', and 'Download'. A 'New File' button is also present.

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## Files

Filename	Content type		
documentation.docx	application/vnd.openxmlformats-officedocument.wordprocessingml.document	Show Edit Destroy	Download

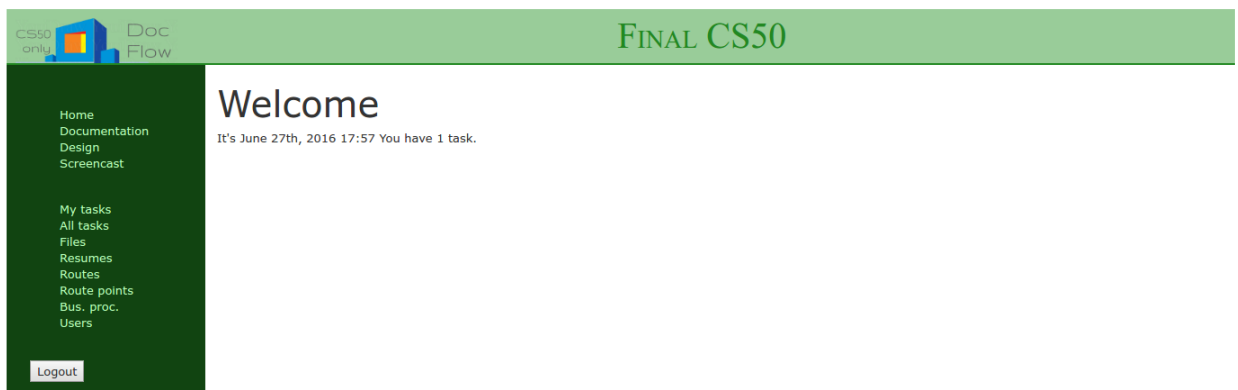
New File

#### The list of files in the system

When starting a business process task is created automatically, according to the first Route point of the Route.

#### 4. Tasks

When the user authorization in the system, in the Welcome page, user can see the



number of outstanding tasks:

Welcome page



To the list of tasks, you can go by the button «My tasks»:

The list of user Tasks

From performing Task window you can download the attached file. Also there you can write a comment to this stage.

After completing tasks, system will create a new task for the next Route point. Business process will completed by system when all tasks will complete.



## Business Process Diagram

On list form of Tasks you can see current Route point of Business Process.

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Home  
Documentation  
Design  
Screencast

My tasks  
All tasks  
Files  
Resumes  
Routes  
Route points  
Bus. proc.

Logout

### Tasks

Id	Business process	Executed	Route	Route point	Performer	Executor	Execution date	Comment	
1	Check student's final project. Student name Max Korostelov. Documentation is...	Yes	Check final project	Check the program	Max	Max	June 27th, 2016 15:04	All done.	Show Edit Destroy
2	Check student's final project. Student name Max Korostelov. Documentation is...	Yes	Check final project	Check documentation	Dave	Max	June 27th, 2016 15:06		Show Edit Destroy
3	Check student's final project. Student name Max Korostelov. Documentation is...	No	Check final project	Check screencast	Erica		Not executed		Show Edit Destroy

New Task

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Home  
Documentation  
Design  
Screencast

My tasks  
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Resumes  
Routes  
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Logout

### Editing Task

Business process

Check student's final project. Student name Max Korostelov. Documentation is attached. URL: Heroku https://peaceful-scrubland-6:

Route

Check final project

Route point

Check the program code and design.

Performer

Max

Executor

Max

Download file

Comment

All done.

☒ Executed

Update Task

Show | Back

Tasks list

Form of Task execution