

**Functional specification of the
application MrBuggy6
Version 1.0**

17/07/2022

Spis treści

1. The history of change 3
2. Project description and the basic components of the Mr Buggy6 application 3
3. Conventions 4
4. Application- functionalities 4
 - Creating password for user 4
 - Logging in application 6
 - Profile -editing profile of user 8
5. Technical requirements 9
6. Provided by the customer 9
7. Technologies 9
 - Test and production server
8. Items outside the scope of the project 9

1. The history of change

Date	Author	Version	Description
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2. Project description

- The main goal of the project is to create a tool for managers of the company providing testing services. This piece of software should allow Managers to keep a track of bidding process for new testing projects (called opportunities), maintain current testing projects (called projects), with access to the list of human resources (employees), clients and services provided by the company
- The graphic design is provided by the client. The project will be supplemented in case of additional screens..
- The application is available on website www.mrbuggy.pl

The basic components of the Mr Buggy 6 application for:

- ➔ **Creating password for user** – component for creating and confirmed password according with rules
- ➔ **Logging in application-** component for filling in valid username and valid password
- ➔ **Profile-** component for changing user's personal details, role, username and password
- ➔ **Opportunities-** component where Managers can to keep a track of bidding process for new testing projects. Additionally, it is possible to view for data in the database, edit and delete the selected opportunity
- ➔ **Projects-**component for creating and managing currently projects. Additionally, it is possible to view for data in the database, edit and delete the selected project. In the project's tab is option to exporting information about projects to JSON and XML.
- ➔ **Employees-** component for storing personal data of employees, information about their skills, years of experience and the number of projects in which they participate. In this tab, it is also possible to search for an employee by name. Additionally, it is possible to adding new

employee and editing selected currently employee. In employee's tab can edit, create and delete skills.

- ➔ **Clients**-- component for storing personal data of clients. In this tab is information about numbers of opportunity and projects in which client takes part. In addition, each client has a view option and the ability to edit personal details. In this tab, it is also possible to search for a client by name.
- ➔ **Services**- component for storing data of services. In this tab are information about number of assigned employees and number of assigned projects. It is not possible to remove services imposed by the customer. other services can be deleted. Additionally, all services can be edited.
- ➔ **Filters**- component for filtering data for selected value.
In opportunities tab can filter using clients, probability and stages.
In projects tab can filter using clients, services and statutes.

3. Conventions

Filtering and sorting

In the fields and the form containing values it is possible to sort and filter the data

Required fields


Each required field (the one that must be filled in to approve the operation) will be marked uniformly throughout the Mr Buggy6 application (with an asterisk). The operation cannot be performed without filling in the field marked as mandatory. Filling out the optional fields is only optional, they do not need to be filled in to perform operations in the system.

USER=Manager

4. Application- functionalities

1. Screen 1- Creating password and confirmed password fields of user

When the Mr Buggy application is opened for the first time, the screen -creating password screen is appeared. On this screen, the user has to create a password that complies with the rules and confirm it. After user clicks Save button. Creating password will using by manager to log in application.

MrBuggy 6

MrBuggy6

Hello Manager2

I have created the account for you. Please set up the password, Your Admin.

The password must have at least one special character and number and must contain a minimum of 8 characters and a maximum of 20 characters.

* Password

* Confirm password

Save

Type of field	Vaidation	Name of field	Commentary
Textbox	Required field	Password	The password must have a least one specia character and number and must contain a minimum of 8 character and a maximum 20 characters
Textbox	Required fied	Password	Creating password must be new and innovative, No possibility using password which is assigned to another user.
Textbox	Required field	Confirm password	The confirm password must be as the same as the password field.
Testbox	Required fields	Password Confirm password	The number of characters in fields must be the same.

Button	-	Save	After click Save button- the password is created.
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2. Screen 2- Logging in application

Type of field	Vaidation	Name of field	Commentary
Textbox	Required	Username	The initial username is Manager 2
Textbox	Required	Username	After changing of username – user have to use new username.
Textbox	Required field	Password	The password has to be confirmed in early steps.
Textbox	Required fields	Username Password	After filling in login form using valid username and valid password- user is sign in application.

Textbox	Required field	Password	After changing of password– user have to use new password
Button	-	Login	After click Save button- the password is created.

User is not sign in application as admin using:

USERNAME: admin

Password: admin

User is not sign in application as Manager using admin's password:

USERNAME: manager2

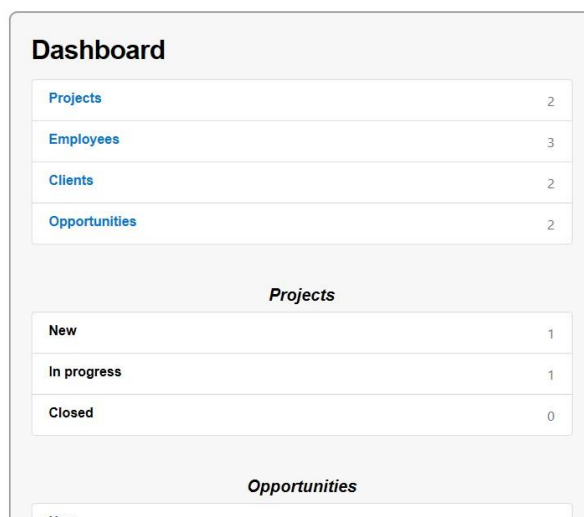
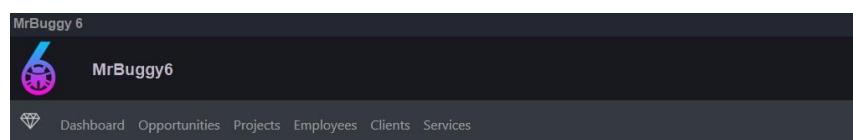
Password: admin

User is not sign in application as admin using manager's password:

USERNAME: admin

Password: manager's password

- 3. Dashboard** – this the first screen which user watches after logging in application. The screen showed all available tabs and allow opening them in this window.



4. Screen 3- Profile tab

Profile	
Username	manager2
First name	Adam344
Last name	Nowak2
Phone number	123456789
Role	Manager
Email	adam@nowak.pl

Edit

Only option on this tab is editing profile of user. When user want to change his personal details, clicks Edit button.

- **User can change role (except change for admin)** – after change of role – function of log in and log out works properly
- **User can change First Name, Last Name, Phone Number** -in these fields User can use special characters. This change will be correctly displayed. After change first name, last name or phone number - function of log in and log out works properly
- **User can change username-** after change username- user has to use new username during logging in. After change username- function of log in and log out works properly
- **User can change email if necessary.**

All allowed changes will be displayed correctly and will not affect other functionalities of the application.

5. Technical requirements

- The application may be used on desktops, laptops and tablets.
- The application was developed on Windows, Linux and MacOS systems.
- An internet connection and a file extractor are needed for the application to run properly. Later, the use of the application does not require an internet connection.

6. Provided by the client

- The graphic design is provided by the client. The project will be supplemented in case of additional screens..
- The all texts in application are created by client.

7. Technologies: Test and Production Server

- The production server will provide data to the application and the website displayed by end users.
- The test server will be used during development work and in the testing phase. It will allow you to test the solution made before deploying it to the production server.

8. Outside the scope of the project

1. Copywriting for the application.
2. Preparation of content about the application for Google Play / App Store.