

DevKit

Analysis Design Document

V01.0

**Version history:**

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Changed By | Purpose |
| 1.0 |  | R. Groff (BuildingBox) | Initial version |

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# About

## Introduction

*DevKit* is a custom web application solution and a next generation **task management suite**.

## Technology

*DevKit* currently uses this set of technologies:

* **Bootstrap 3** for CSS and interface visuals;
* **Angular JS** (1.3) for interface programming;
* Asp.NET **MVC 5** as the main architecture;
* Server side **Web API** using C# 4.5;
* **LinqToDb** as database access tools;
* **PostgreSQL** 9.6 for unlimited SQL performance / database size;
* **GitHub** repository with a dedicated branch for your own source code;

## Confidentiality

This document and all further information and technical details inside are confidential with **buildingBox** and your company.

*DevKit* is open to change requirements and to follow your company needs with ***special customization***.

## Customizations

By using this document as the main medium of incremental upgrades, we can achieve the desired results of:

* Constant upgrade;
* Best performance possible, exclusive software and hardware allocation and code;
* No limitations in software adjustments;
* Evolution of the tool, completely customized by your own analysis team;

# Interface

## Login screen

The main login visual should have:

* The **BuildingBox** icon (only the symbol, without letters);
* A text input for ***Login;***
* A masked text input for ***Password***;
* A “***Submit***” button, that queries the server if the user is granted access;
* The current ‘assembly version’ of the system;

Use cases:

1. If the user clicks the submit button with either ***login*** or ***password*** text fields missing, the system should display a message “**Please enter valid credentials**”;
2. If the user clicks the submit button and there is no user with that password, or the user is non-active, the system should display the generic message “**Invalid login / password**”;
3. After a successful login, the system will redirected to item **2.3** (main screen);

## Main Menu

The system should present the menu below on the left:

*System  
 Password  
 Setup  
 Users  
 Profiles  
  
Configuration  
 Projects  
 Task Types  
 News  
 Surveys  
  
Tasks  
 New Task  
 Listing  
 Kanban  
 Management  
 Timesheet*

The assembly version of the solution should be located on the bottom of the menu.

## Main Screen

The main screen of the web application should present this use cases:

* The **buildingBox** symbol on the upper top-left;
* The phrase ‘**Welcome,** ‘ and then the user login;
* On the upper top of the screen, a green button with the number of opened and unattended tasks for all the projects that the user belongs to with the label ‘**Project Tasks**’, followed by a blue button with the number of assigned tasks for the current user, with the label ‘**User Tasks**’;
* On the upper top of the screen, an input text that can be used any time with a blue button ‘***Search***’;
* A white label in the upper top-right ‘**Sign Out**’ with an icon symbol of power off;
* The menu described in item **2.2** docked on the left, just below the **buildingBox** symbol;

Inside the working portion of the screen, two columns should be presented(\*) :

* **Company Active Surveys** (first), described in item **5.3**;
* **Company News** (second), described in item **5.4**;

*(\*) global surveys and project surveys that the current logged user is allocated;*

# Domain (System)

## Setup

This page of the web application, the user administrator will configure some global properties:

1. **Phone Mask**. This mask will be used everywhere in the solution for input fields;
2. **Date Format**. This will be used in all reports, and can be changed using the any combination of the letters “**dd MM yyyy HH mm**” as in day, month, year, hour and minutes;
3. **Protocol Format**. This will be used in the TASKS domain, and can be changed using any punctuation symbol and the number '9' to be filled with a random number generator;

Any change in these fields should be reported in the section ‘**Audit Log**’, with the date, user and the details of the change.

## Users (listing)

Accessing from the menu, this page is responsible to list and filters all users.

## Users (new/edit)

Text.

## Profiles

Text.

# Domain (Configuration)

## Projects

## Task Types

## News

## Surveys

# Domain (Tasks)

## Task

## Kanban

## Management

## Timesheet