Hosting details 1

General description 2

Questions 2

Release procedure 2

Config 2

GitHub clone to DEV site 3

DEV site to Live site 3

Functionalities 3

Login 3

Field Personnel 3

Projects 3

Facility 4

Tasks 4

Locations 4

Brainstorming 4

UI 4

Technicians 4

Tasks 4

Map 4

Analytes 5

Overview 5

Add one or several analyte(s) 5

Upload analyte list 5

Create a custom list 5

Use a standard list 5

Outsides resources 5

Forms 5

Create 5

Edit 5

View 5

Documents 5

Database 5

Tables list 5

Diagram 8

Unit testing 9

# Hosting details

host: Hostgator

ulr: <https://us.cloudlogin.co/login>

login: baiken

password: \*\*\*\*\*\*\*\*\*\*\*

# General description

***Describe the concept of the tool FieldWorkAssistant.***

The tool will organize and manage location based tasks. The site uses basic web forms to collect project information, interactive forms for field personnel to collect data, and mapping tools to identify and organize the work locations.

# Questions

1. Where is the new look&feel code located? A: *This is being done by OasisLogoDesigns. I just talked to them and they are doing the mobile part of the site.*
2. Do you want me to improve the code as I move the functionalities to new look&feel? A: *Yes.*
3. Why do you want to setup multiple testing sites to allow parallel development? Issue to manage multiple dev resources? A: *No. One “live” site and one “Dev” site only.*
4. What is the blue bar in facility table? We don’t need the columns below it for now? A: *identify the inputs for each tab. we’ll have 3 tabs:*
   1. *first: facility number, etc… up to blue line*
   2. *second: contact details of the facility*
   3. *third: client company details*
5. In tables facility=>facility\_number, facility\_sic, facility\_sector and project=>project\_number, what is the format of the data?
6. Can we put images inside css files? A: *Better not to be able to use the ALT attribute on image elements as it is compliant with W3C specifications.*

# Release procedure

**Warning: on** git pull **command, if the result is**

**“**Failed to connect to 192.30.252.130: Permission denied while accessing <https://github.com/FWAJL/FieldWorkAssistantMVC.git/info/refs>**”**

**Check Hostgator** [**here**](https://us.cloudlogin.co/advanced/outgoing-connections/) **and see if the IP is whitelisted.**

## Config

* check FieldWorkAssistantMVC\.htaccess
* check FieldWorkAssistantMVC\Applications\autoload.php
* check FieldWorkAssistantMVC\Applications\PMTool\Config\appsettings.xml
* check Web/js/app/services/utils.js
  + update ***utils.rootFolder*** property

Copy of the appsettings structure :

<?xml version="1.0" encoding="utf-8" ?>

<definitions>

<define key="base\_url" value="/" />

<define key="DefaultLanguage" value="en" />

<define key="RootImageFolderPath" value="Web/images/" />

<!-- Security -->

<define key="encryption\_key" value="g496lJL683yFiDzju2K94f1751Lo7WSw" />

<!-- Database connection details -->

<define key="Myslq\_host" value="localhost" />

<define key="Mysql\_user" value="baiken\_fwa\_2" />

<define key="Mysql\_pwd" value="fwa2" />

<define key="Mysql\_db\_name" value="baiken\_fwa\_2" />

</definitions>

## GitHub clone to DEV site

**We need to rewrite the procedure since I’m using GitHub directly on server.**

**We are now using SSH connection to push and pull the code to the server.**

## DEV site to Live site

**It will use a similar procedure to DEV site but the code will be on a seperate branch called Live.**

# Functionalities

The list of functions needed for the tools are listed below. Break down by group, e.g. Project, Personel, etc.

## Login

The login page has the following UI elements:

* The top bar
* The Login form which is configurable to use either the email or username of the user to login.

The flow is the following:

* The project manager (PM) goes to the login page.
* The PM enters his username/email and password and hits “Login”.
* A ajax request is fired to the webservice to authenticate the user. The response will display the error failed authentication or redirect to logged in page if successful.

## Field Personnel

## Projects

There are 3 elements to the Projects:

* The default view that invites to add a project when the PM has no project yet.
* The *ListAll* view that displays 2 lists of projects
* The *ShowForm* view that displays the “add” or “edit” form. This form has composed of 3 tabs: project info, facility info and clien info.

The ListAll view allows the following:

* View 2 lists of projects, active and inactive. The user can move them from a list to another by selecting the target(s) and clicking “*Activate*” or “*Desactivate*”.
* Doing a right click, the contextual menu will allow
  + Edit: loading the *ShowForm* view in edition mode.
  + Delete: removing a project and associated data.
  + Show the locations: load the locations for this project. More details in Locations.

## Facility

## Tasks

## Locations

### Brainstorming

Mandatory field : location name

Project manager inputs only the name and the technician can flag the location to update the lattitude / longitude on the map.

### UI

#### Add a breadcrumb

« My Projects > Project name > {view name}

#### Left menu links

Have a single « locations » link.

#### Main panel

##### List and basic add form

* Displays a text area to add location(s) by name only. We will need to validate the data entered before sending the request to the webservices.
* Displays a button to add a location with coordinates
* Displays a button to add a location with Google Maps
* Displays 2 lists of location with a contextual menu (see below) and 2 buttons to activate / deactivate location(s).
* The contextual menu works for a single item. It allows editing and deleting a location.
* Add location:
  + Use text area to input one or several location names comma-seperated before adding it or them.

## Technicians

In the future, the technicians can be assisgned to only some projects (blackList of technicians per project ?)

## Tasks

## Map

## Analytes

### Overview

List of analytes for type of target.

Targets are:

* Groundwater,
* Wastewater,
* Soil,
* Air.

### Add one or several analyte(s)

### Upload analyte list

### Create a custom list

### Use a standard list

## Outsides resources

We will find a list of the third parties companies like Labs, Equipment rental, etc… with the all the info about them.

We will use a lab for example to decide where to send the samples made and to provide what tests to perform with which [analytes](#h.euegwgt5cvdp).

## Forms

### Create

### Edit

### View

## Documents

Show the document related to the project

Manage the documents

# Database

***identity***

**foreign key** (e.g. dependence on other table)

## Tables list

|  |  |
| --- | --- |
| **EXISTING:** |  |
| * location   + ***loc\_id : int(11)***   + name : varchar(50)   + description : varchar(250)   + document (picture) : varchar(500) * *I do not think this is needed…*   + lat : FLOAT(10,6)   + lon : FLOAT(10,6)   + active : smallint(6) * **project\_id : int(11)** | * technician   + ***tech\_id : int(5)***   + name : varchar(50)   + phone : varchar(20)   + email : varchar(50) * active : smallint(6) |
| * project\_manager   + ***pm\_id : int(11)***   + username : varchar(20)   + password : varchar(50)   + hint : varchar(20)   + pm\_comp\_name : varchar(50)   + pm\_name : varchar(50)   + pm\_address : varchar(500)   + pm\_email : varchar(50)   + pm\_phone : varchar(12) | * project   + **pm\_id : int(11)**   + ***project\_id : int(11)***   + project\_name : varchar(100)   + project\_number : varchar(50)   + project\_desc : varchar (250)   + project\_active : smallint(6)   + project\_visible : smallint(6)   + **client\_id : int(11)** |
| * facility   + **project\_id : int(11)**   + ***facility\_id : int(11)***   + facility\_name : varchar(100)   + facility\_address : varchar(250)   + facility\_lat : float(10,6)   + facility\_long : float(10,6)   + facility\_contact\_name : varchar(50)   + facility\_contact\_phone : varchar(12)   + facility\_contact\_email : varchar(50)   + facility\_id\_num : varchar(25)   + facility\_sector : varcahr(2)   + faciliy\_sic : varchar(4)   + boundary : varchar(1000) | * client   + ***client\_id : int(11)***   + client\_name : varchar(100)   + client\_address : varchar(500)   + client\_contact\_name : varchar(50)   + client\_contact\_phone : varchar(12)   + client\_contact\_email : varchar(50) |
| **FOR LATER:** |  |
| * task   + **tech\_group\_id**   + ***task\_id***   + task\_name   + task\_status   + task\_deadline   + t\_start\_date   + t\_end\_date   + trigger\_cal   + trigger\_pm   + trigger\_remote   + insp\_form\_id **(use?)**   + sample\_form\_id **(use?)**   + constype **(use?)**   + t\_instructions   + t\_sample\_tab **(use?)**   + po\_number **(use?)**   + comments **(use?)**   + **lab\_id**   + sample\_tat\_id **(use?)**   + sample\_type\_id **(use?)**   + sample\_list **(use?)**   + **loc\_group\_id**   + **anal\_group\_id**   + **field\_tech\_group**   + **lead\_tech**   + active   + visible | * task\_locations   + tl\_id   + task\_id   + loc\_id * technician\_group   + ***tech\_group\_id***   + tech\_group\_name |
|  | * location\_group   + ***loc\_group\_id***   + name |
| * result   + result\_id | * project\_document   + **project\_id**   + ***project\_doc\_id***   + name   + source |
| * third\_party\_company   + ***tpc\_id***   + name   + … |  |
| * form   + ***form\_id***   + name   + **task\_id** | * form\_element   + ***f\_elem\_id***   + name   + content   + **form\_id** |

|  |  |  |  |
| --- | --- | --- | --- |
| location\_images | location\_info | location\_to\_group | location\_to\_project |
| location\_to\_task | loc\_groupname\_to\_group | loc\_group\_to\_project |  |
| outside\_resources |  |  |  |
| people | people\_to\_project | people\_to\_task |  |
| processworkflow\_to\_task |  |  |  |
| project\_documents | project\_info | project\_managers | project\_to\_user |
| results | result\_field\_param | result\_sample\_well | result\_water\_level |
| result\_well\_log |  |  |  |
| sample\_types |  |  |  |
| states |  |  |  |
| task\_calinterval\_list | task\_constype\_list | task\_field\_inspection\_list | task\_field\_sample\_list |
| task\_info | task\_status\_list | task\_to\_project |  |
| turn\_around\_time |  |  |  |

## Diagram

<http://diagrams.seaquail.net/Diagram.aspx?ID=17031>

# Unit testing

This will list all the test to carry on after an update.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Test | Passed ? | Comment |
| 1 | Login as « test / test » |  |  |
| 2 | If you have no project, do you see the form to add a project ? |  |  |
| 3 | If you have at least 1 project, do you see the list of projects ? |  |  |
| 4 | Click « Add » under project and add a project with « test=true » in the querystring. |  |  |
| 5 | Delete a project from the list of projects with the contextual menu (right-click a project) |  |  |
| 6 | Load the edition view of a project with the contextual menu (right-click a project) |  |  |
| 7 | Edit the project name and save modifications made via the edition form |  |  |
| 8 | Is the project name of the edited project correctly displayed in the project list ? |  |  |
| 9 | Move a project to the active list |  |  |
| 10 | Move several projects to the active list |  |  |
| 11 | Move a project to the inactive list |  |  |
| 12 | Move several projects to the inactive list |  |  |
| 13 | Show the locations of a project with the contextual menu (right-click a project) |  |  |
| 14 | Is the locations view display the name of the select project ? |  |  |
| 15 | Add a list of location names via the « Add locations names » textarea |  |  |
| 16 | Resulting of 15, do the locations added show in one of the list below ? |  |  |
| 17 | Delete a location from the list of locations with the contextual menu (right-click a location) |  |  |
| 18 | Load the edition view of a location with the contextual menu (right-click a location) |  |  |
| 19 | Edit the location name and save modifications made via the edition form |  |  |
| 20 | Is the location name of the edited location correctly displayed in the location list ? |  |  |
| 21 | Move a project to the active list |  |  |
| 22 | Move several projects to the active list |  |  |
| 23 | Move a project to the inactive list |  |  |
| 24 | Move several projects to the inactive list |  |  |