

WEBSITE PROPOSAL:

Jerellray Kagaoan - Tag & Track

Date commenced: 19 October 2015

Date completed: 4 December 2015



Client:

Jerellray Kagaoan - Tag & Track

Jerellray Kagaoan | Electrical Trades

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Agency:

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1.0 CLIENT DESCRIPTION



Jerellray Kagaoan - Tag & Track

The client, Jerellray is a qualified Electrician by Trade who has worked in the industry for 10 years. Jerellray has approached ARTesano to build a web application concept - Tag & Track (name could change), to help trades people with the management of their tagged tools.

Trades people, by law are required to get their tools (used on job sites), both personal and company, (that plug into a power source) assessed by Service Technicians or Certified Electricians every 3 months (unless stated otherwise) to ensure safety standards. Once determined that each tool is fit for use, they will be tagged, used and re-tested after the stated time. For the last decade, Jerellray (who can do the testing himself) has relied on pen and paper to note these details down, which at times, have proved to be unreliable.

Tag & Track will be a web application that will allow trades people to:

- Keep track of their tagged tools, with all the necessary information saved in a database system
- Receive reminders of when the next testing will take place

This web application is an effective solution that will lessen paper work and will be a more reliable system for trades people to keep up with compliance and safety.

2.0 PROJECT DESCRIPTION



This project will focus on two areas: Design (including logo design) and Development.

2.1 Web Design

The Tag & Track web application will be designed with the following in mind:

- UI and UX that will allow users to navigate through the site and perform tasks with ease
- Be responsive, and render properly for any media screen size
- Cater to target market, design and functionality that will be suitable for trades people

Logo design will also be included.

2.2 Web Development

The Tag & Track web application will be built using HTML, CSS - Sass, JavaScript - JQuery, AJAX and PHP - Laravel framework, to produce the following:

- A web application that will allow users in summary to: register as users, add tagged tools for online management
- Well validated scripts of coding - HTML, CSS, JavaScript, AJAX and PHP, with no signs of errors
- Well validated forms with clear feedback
- Cross-browser compatibility, with no critical formatting and functionality issues
- Responsiveness on different screen sizes

Data building using MYSQL will be done with the help of Jerellray Kagaoan for data input.

2.0 PROJECT DESCRIPTION

2.3 Actors

The three types of users for this web application will be:



Normal Users

Users are able to register for an account, add personal tagged tools for tracking, and receive alert notifications.



Admin Users

Admin users are able to perform all the use cases a normal user can do (except for register for an account), as well as add company tagged tools for tracking, access to tagged company tools information and normal users information within the same site and the ability to view and edit job site profile.

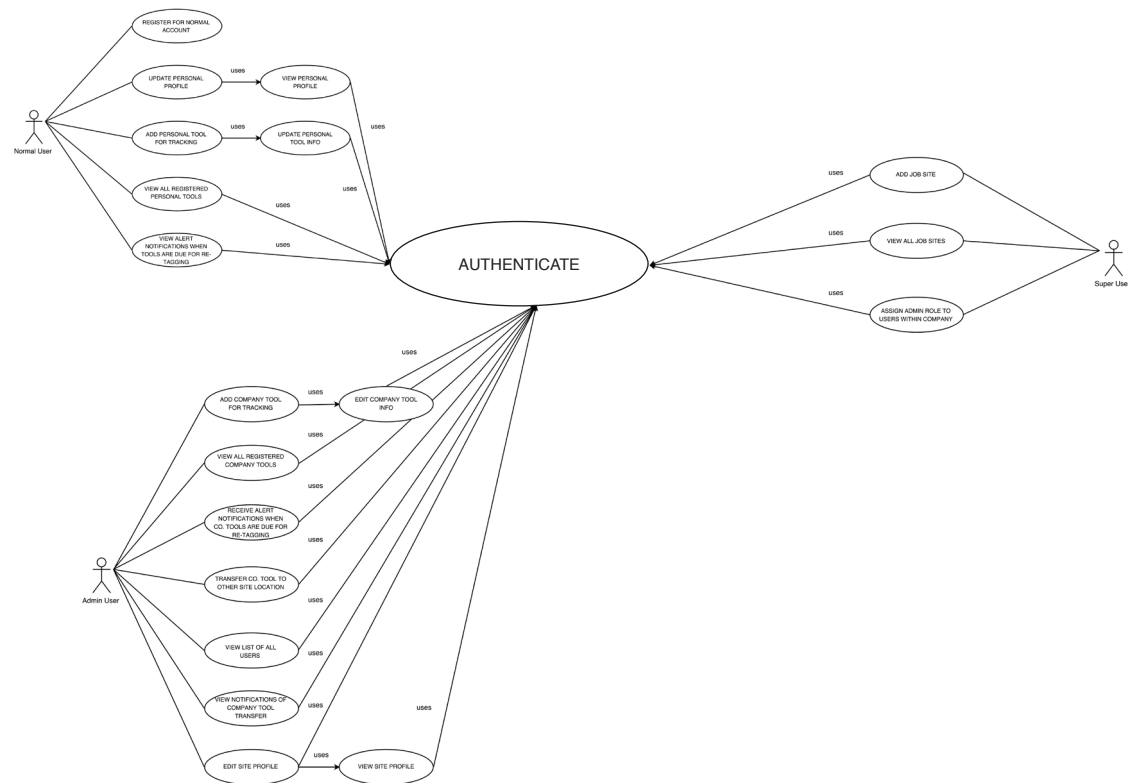


Super Users

Super users are able to perform all the use cases a normal user (except for register for an account) and an admin user can do, as well as have access to job site information and management, user information within the same company and the ability to assign admin role to users within the company.

2.0 PROJECT DESCRIPTION

2.4 Use Case Diagram



2.0 PROJECT DESCRIPTION

2.5 Use Case Descriptions

Case 1

Use Case Name: Register For Account

Use Case Purpose: The purpose of this is to allow the user to create an account.

Pre-conditions: User is within the trades industry.

Post-conditions: User will become a normal user.

Assumptions: Only one user can register at a time.

Actors: Normal User

Basic Flow:

1. The user selects Sign Up.
2. The user fills out the required information to register.
3. The user submits the request.
4. User will become registered.
5. User will be notified of successful registration.

Alternate Flow:

- 3 a. The submitted details are incomplete.
 - 3a1. The user will be notified of incomplete information.
 - 3a2. Return to Step 2 to fill in missing information.

Case 2

Use Case Name: Update Personal Profile

Use Case Purpose: The purpose of this is to allow the user to edit personal details.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: User's personal details will be edited.

Assumptions: The user only has access to edit their own personal details and want to change their details.

Actors: All Users

Basic Flow:

1. The user selects edit function on personal profile.
2. The user changes the information that needs to be edited.
3. The user submits the edit (put) request.
4. The user is notified of the successful edit.
5. The updated information will be shown.

Alternate Flow:

- 3 a. The submitted details are incomplete.
 - 3a1. The user will be notified of incomplete information.
 - 3a2. Return to Step 2 to fill in missing information.

2.0 PROJECT DESCRIPTION

Case 3

Use Case Name: View Personal Profile

Use Case Purpose: The purpose of this is to allow the user to view personal details.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: Users can view their personal details.

Assumptions: Normal users only have access to view their own personal details.

Actors: All Users

Basic Flow:

1. The user selects view profile.

Case 4

Use Case Name: Add Personal Tool for Tracking

Use Case Purpose: The purpose of this is to allow the user to add personal tools for tracking.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: Users will be able to add tools for tracking.

Assumptions: Tool has been assessed and tagged.

Actors: All Users

Basic Flow:

1. The user selects add tool from dashboard.
2. The user fills out the fields required.
3. The user submits the post request.
4. The user will be notified of successful submission.

Alternate Flow:

- 1 a. The user selects tools from menu.
- 1 b. The user selects add tool.
- 3 a. The submitted details are incomplete.
 - 3a1. The user will be notified of incomplete information.
 - 3a2. Return to Step 2 to fill in missing information.

2.0 PROJECT DESCRIPTION

Case 5

Use Case Name: Edit Personal Tool Info

Use Case Purpose: The purpose of this is to allow the user to edit any tool information.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: Users will be able to edit any tool information they have added.

Assumptions: Users only have access to edit their own personal tool information.

Actors: All Users

Basic Flow:

1. The user selects to view tools.
2. The selects which tool entry needs to be edited.
3. The user changes the information that needs to be edited.
4. The user submits the edit (put) request.
5. The user is notified of the successful edit.

Alternate Flow:

- 4a. The submitted details are incomplete.
 - 4a1. The user will be notified of incomplete information.
 - 4a2. Return to Step 3 to fill in missing information.

Case 6

Use Case Name: View All Registered Tools

Use Case Purpose: The purpose of this is to allow the user to view all personal tools they have registered.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: Users can view a list of their personal tools.

Assumptions: Users can only view their list of personal tools.

Actors: All Users

Basic Flow:

1. The user selects view tools.

2.0 PROJECT DESCRIPTION

Case 7

Use Case Name: View Alert Notifications for Tools due for Re-tagging

Use Case Purpose: The purpose of this is to remind users when tools need to be re-tagged.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: Users can view which tools need to be re-tagged.

Assumptions: Users can only be notified for their own personal tools.

Actors: All Users

Basic Flow:

1. The user views notifications number on dashboard upon login.
2. The user selects view notifications on dashboard.

Alternate Flow:

- 1a. The user selects view notifications from the menu.

Case 8

Use Case Name: Add Company Tool for Tracking

Use Case Purpose: The purpose of this is to allow the user to add company tools for tracking.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: Users will be able to add company tools for tracking.

Assumptions: Tool has been assessed and tagged.

Actors: Admin Users, Super Users

Basic Flow:

1. The user selects add tool from dashboard.
2. The user fills out the fields required.
3. The user submits the post request.
4. The user will be notified of successful submission.

Alternate Flow:

- 3 a. The submitted details are incomplete.
 - 3a1. The user will be notified of incomplete information.
 - 3a2. Return to Step 2 to fill in missing information.

2.0 PROJECT DESCRIPTION

Case 9

Use Case Name: Edit Company Tool Info

Use Case Purpose: The purpose of this is to allow the user to edit any company tool information.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: Users will be able to edit any company tool they have added.

Assumptions: No assumptions identified.

Actors: Admin Users, Super Users

Basic Flow:

1. The user selects to view company tools.
2. The selects which tool entry needs to be edited.
3. The user changes the information that needs to be edited.
4. The user submits the edit (put) request.
5. The user is notified of the successful edit.

Alternate Flow:

- 4a. The submitted details are incomplete.
 - 4a1. The user will be notified of incomplete information.
 - 4a2. Return to Step 3 to fill in missing information.

Case 10

Use Case Name: View All Registered Company Tools

Use Case Purpose: The purpose of this is to allow the user to view all company tools they have registered.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: Users can view a list of company tools registered.

Assumptions: Admin users can only view company tools within their job site. Super users can view company tools within all job sites, under the company.

Actors: Admin Users, Super Users

Basic Flow:

1. The user selects view company tools.

2.0 PROJECT DESCRIPTION

Case 11

Use Case Name: View Alert Notifications for Company Tools due for Re-tagging

Use Case Purpose: The purpose of this is to remind users when tools need to be re-tagged.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: Users can view which tools need to be re-tagged.

Assumptions: Admin users can only view notifications for company tools within their job site. Super users can view notifications for company tools within all job sites, under the company.

Actors: All Users

Basic Flow:

1. The user views notifications number on dashboard upon login.
2. The user selects view notifications on dashboard.

Alternate Flow:

- 1a. The user selects view notifications from the menu.

Case 12

Use Case Name: Transfer Company Tool to Another Site

Use Case Purpose: The purpose of this is to allow the user to update company tool location.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: Users will be able to edit company tool location.

Assumptions: Admin users can only transfer company tools within their job site. Super users can transfer company tools within all job sites, under the company.

Actors: Admin Users, Super Users

Basic Flow:

1. The user selects to view Company Tools (see Case 10).
2. The user selects which tool to edit location for.
3. The user selects which job site to transfer the tool to.
4. The user submits the PUT request to save.
5. The user is notified of the successful change.

2.0 PROJECT DESCRIPTION

Case 13

Use Case Name: View Notifications of Company Tool Transfers

Use Case Purpose: The purpose of this is to allow the user to be notified about company tool transfers.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: Users will be able to view whether a company tool has been transferred to their site.

Assumptions: Admin users can only receive notifications for tools transferred to their job site. Super users can receive notifications for tools transferred between all job sites, under the company.

Actors: Admin Users, Super Users

Basic Flow:

1. The user views notifications number on dashboard upon login.
2. The user selects view notifications on dashboard.

Alternate Flow:

- 1a. The user selects view notifications from the menu.

Case 14

Use Case Name: View List of All Users

Use Case Purpose: The purpose of this is to allow the user to view a list of all users.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: Users can view a list of all users.

Assumptions: Admin users can only view list of users within their job site. Super users can view list of users within all jobs sites under the company.

Actors: Admin Users, Super Users

Basic Flow:

1. The user selects view users on dashboard.

Alternate Flow:

- 1a. The user selects view users from the menu.

2.0 PROJECT DESCRIPTION

Case 15

Use Case Name: Edit Site Profile Info

Use Case Purpose: The purpose of this is to allow the user to edit any site information.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: Users will be able to edit job site information.

Assumptions: Admin users can only edit their job site information. Super users can edit any job site information under the company.

Actors: Admin Users, Super Users

Basic Flow:

1. The user selects to view job site information.
2. The user selects edit.
3. The user changes the information that needs to be edited.
4. The user submits the edit (put) request.
5. The user is notified of the successful edit.

Alternate Flow:

- 4a. The submitted details are incomplete.
 - 4a1. The user will be notified of incomplete information.
 - 4a2. Return to Step 3 to fill in missing information.

Case 16

Use Case Name: View Site Profile

Use Case Purpose: The purpose of this is to allow the user to view job site details.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: Users can view job site information

Assumptions: Admin users can only view their job site information. Super users can view any job site information under the company.

Actors: Admin Users, Super Users

Basic Flow:

1. The user selects view job site information.

2.0 PROJECT DESCRIPTION

Case 17

Use Case Name: Add Job Site

Use Case Purpose: The purpose of this is to allow the user to add job sites under the company.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: Users can register current job sites.

Assumptions: No assumptions identified.

Actors: Super Users

Basic Flow:

1. The user selects add job site.
2. The user fills out the fields required.
3. The user submits the post request.
4. The user will be notified of successful submission.

Alternate Flow:

- 3 a. The submitted details are incomplete.
 - 3a1. The user will be notified of incomplete information.
 - 3a2. Return to Step 2 to fill in missing information.

Case 18

Use Case Name: View All Job Sites

Use Case Purpose: The purpose of this is to allow the user to view all job sites.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: Users can view all job sites under the company.

Assumptions: No assumptions identified.

Actors: Super Users

Basic Flow:

1. The user selects view job sites.

2.0 PROJECT DESCRIPTION



Case 19

Use Case Name: Assign Admin Role to Users in Company

Use Case Purpose: The purpose of this is to allow the user to add admins per job sites.

Pre-conditions: User has been registered and authenticated as an appropriate actor.

Post-conditions: Users can assume admin roles.

Assumptions: No assumptions identified.

Actors: Super Users

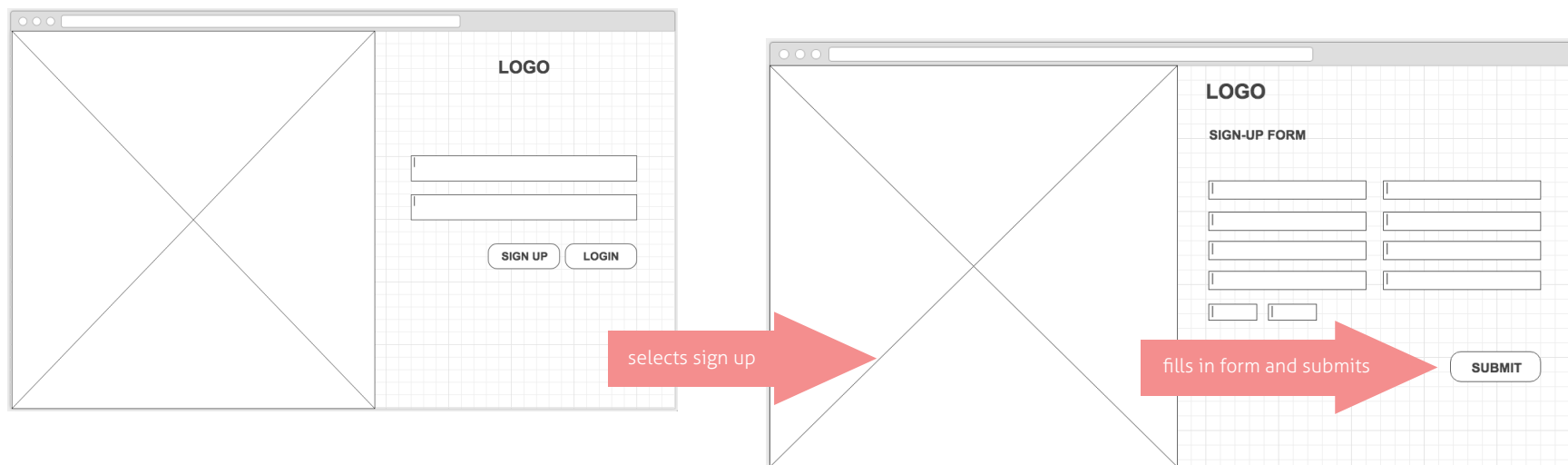
Basic Flow:

1. The user selects view users (see Case 14).
2. The user fills edits the admin field.
3. The user submits the put request.
4. The user will be notified of successful update.

3.0 WIREFRAME MOCKUPS

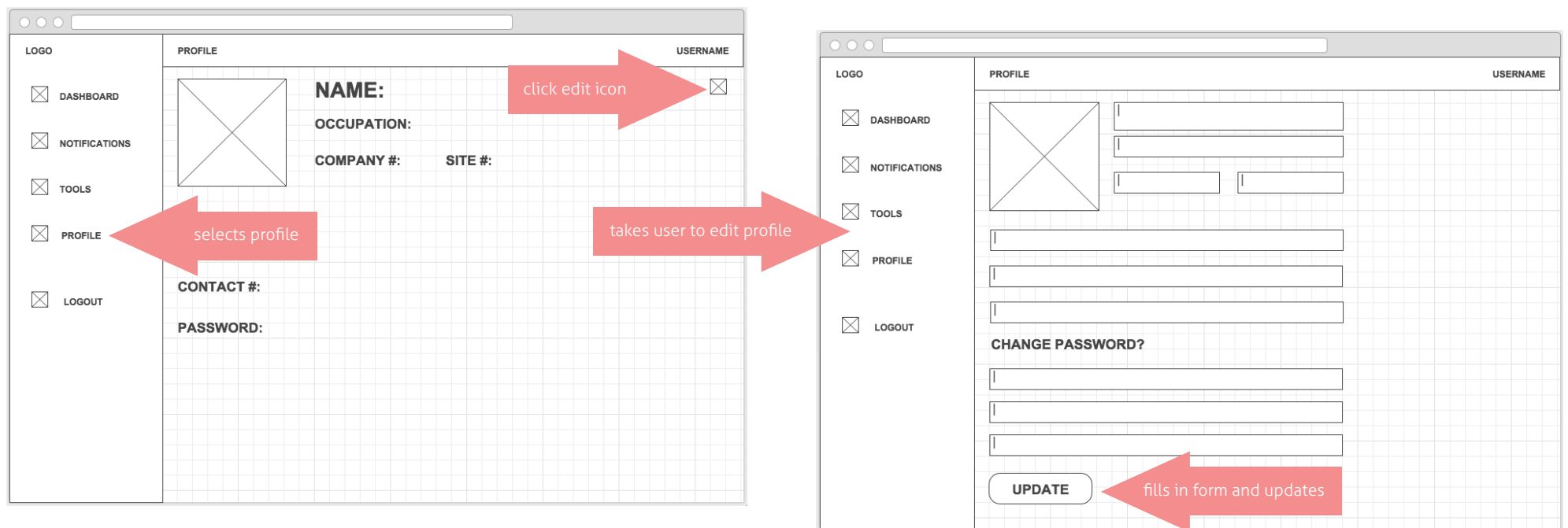
* Please note all mockups are from a desktop point of view, to see the rest of the devices' wireframes, view the wireframes folder. Also, final designs may be different from these mockups, due to client feedback.

This wireframe mock-up shows the process a **Normal User** would go through, when registering for an account.



3.0 WIREFRAME MOCKUPS

This wireframe mock-up shows the process a **Normal User** would go through, when updating their profile.



3.0 WIREFRAME MOCKUPS

This wireframe mock-up shows the process a **Normal User** would go through, to add personal tool for tracking, from the tools menu.

The wireframe mockups illustrate the process for a Normal User to add a personal tool for tracking. The process starts in the 'TOOLS' menu, where the user can select a tool or click the 'ADD TOOL' button. This leads to the 'ADD TOOL' form, where the user fills in the tool details and clicks the 'ADD' button to complete the process.

TOOLS Menu Mockup:

LOGO USERNAME

☒ DASHBOARD

☒ NOTIFICATIONS

☒ TOOLS

☒ PROFILE

☒ LOGOUT

click add tool

ADD TOOL

| NAME | TAG # | TOOL ID # | RE-TAG DATE |
|-------------|-------------|-------------|-------------|
| Tool Name 1 | 02392343987 | 02392343987 | 23/11/2015 |
| Tool Name 2 | 02392343987 | 02392343987 | 23/11/2015 |
| Tool Name 3 | 02392343987 | 02392343987 | 23/11/2015 |
| Tool Name 4 | 02392343987 | 02392343987 | 23/11/2015 |

selects tools

takes user to add tool

ADD TOOL Form Mockup:

LOGO USERNAME

☒ DASHBOARD

☒ NOTIFICATIONS

☒ PROFILE

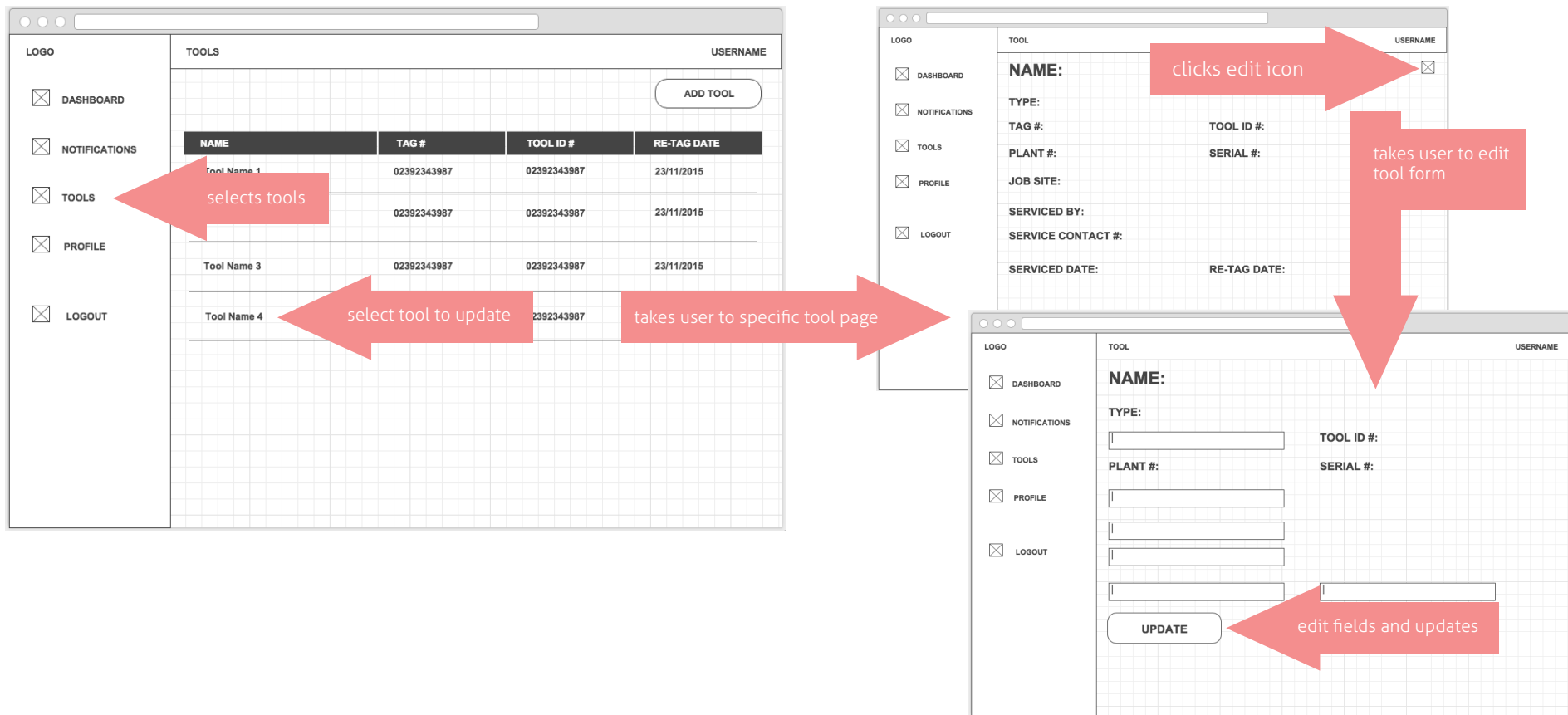
☒ LOGOUT

fills in form and adds

ADD

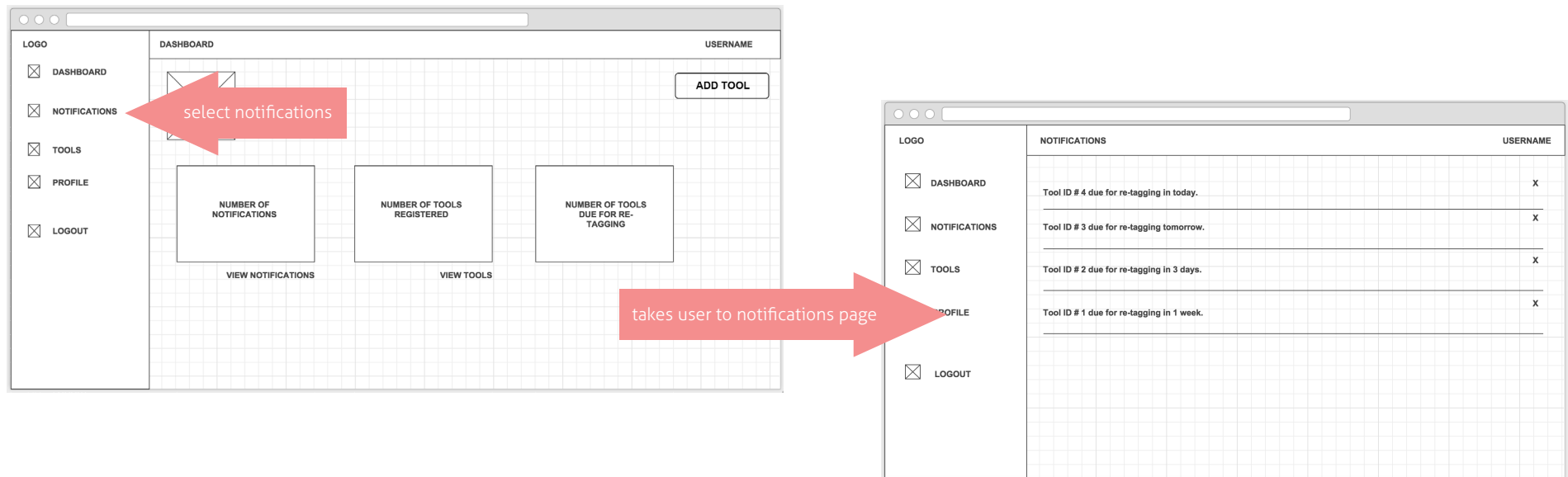
3.0 WIREFRAME MOCKUPS

This wireframe mock-up shows the process a **Normal User** would go through, to update a personal tool.



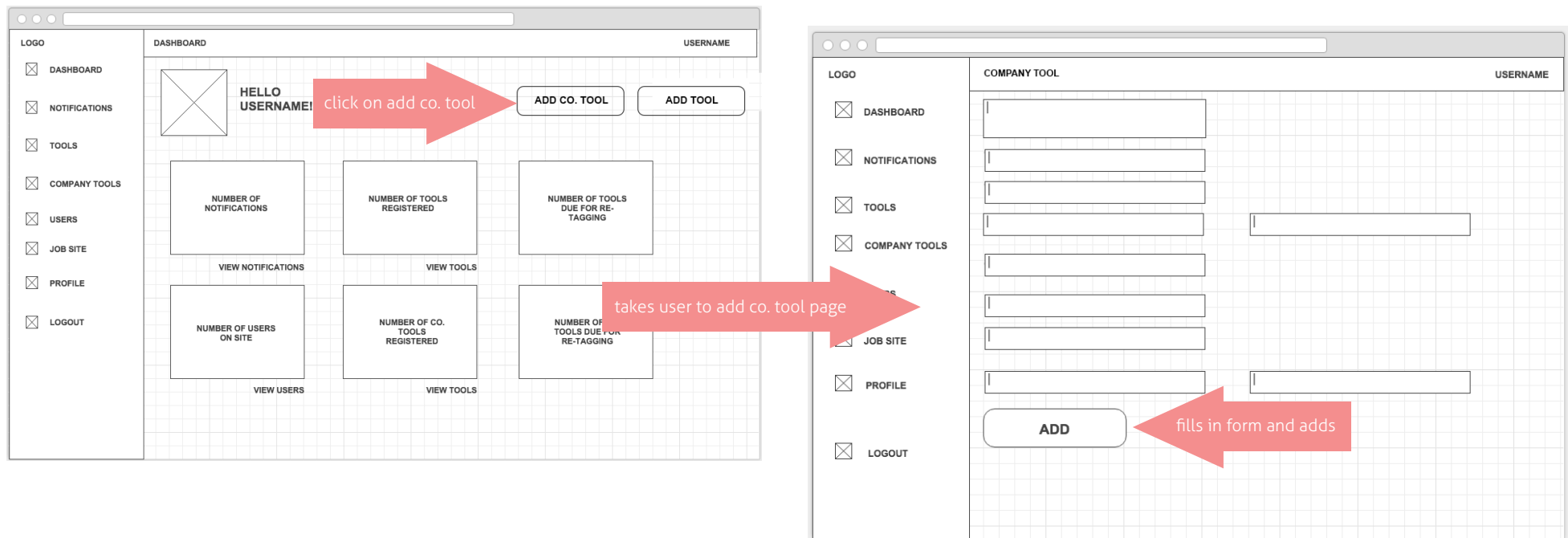
3.0 WIREFRAME MOCKUPS

This wireframe mock-up shows the process a **Normal User** would go through, to view notifications, from the menu.



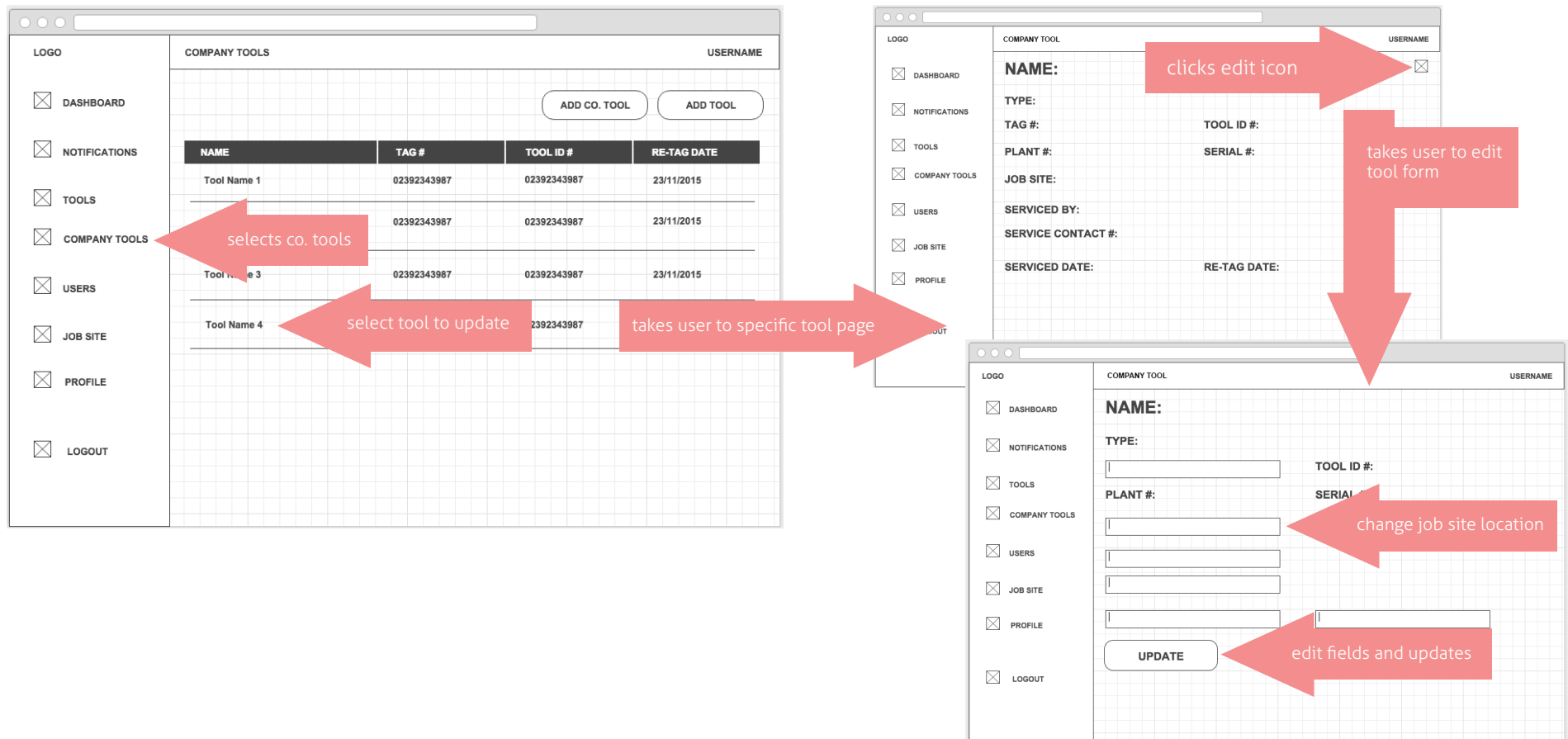
3.0 WIREFRAME MOCKUPS

This wireframe mock-up shows the process an **Admin User** would go through, to add a company tool from the dashboard.



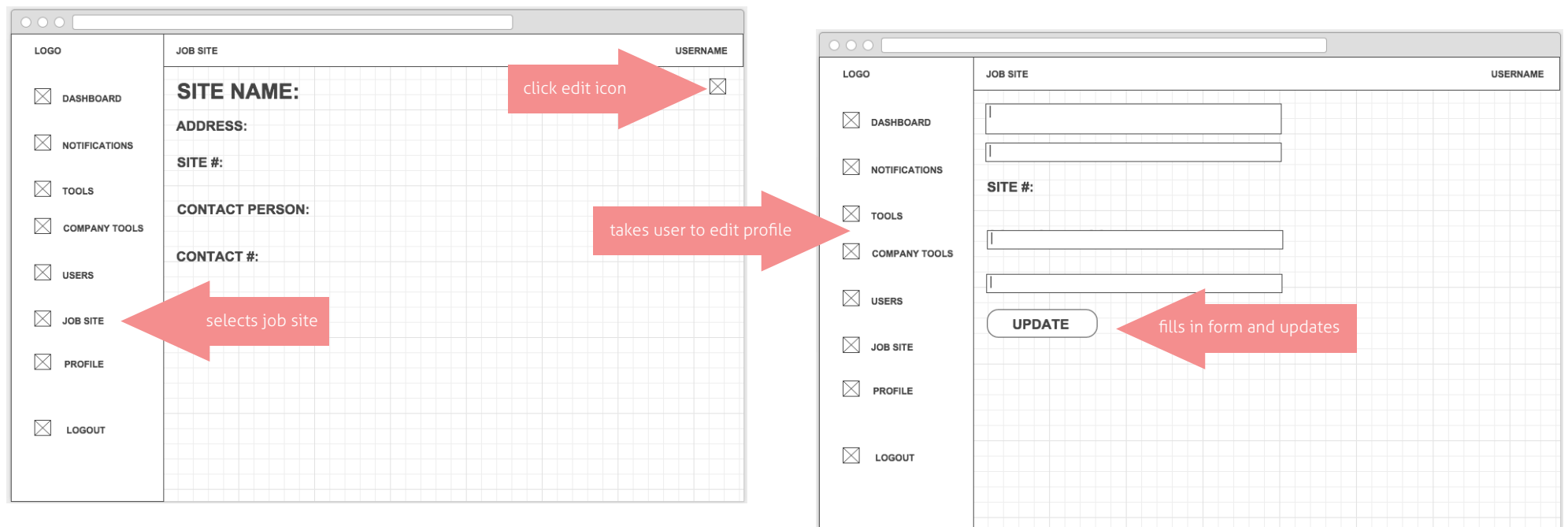
3.0 WIREFRAME MOCKUPS

This wireframe mock-up shows the process an **Admin User** would go through, to update a company tool and also transfer it to another site location.



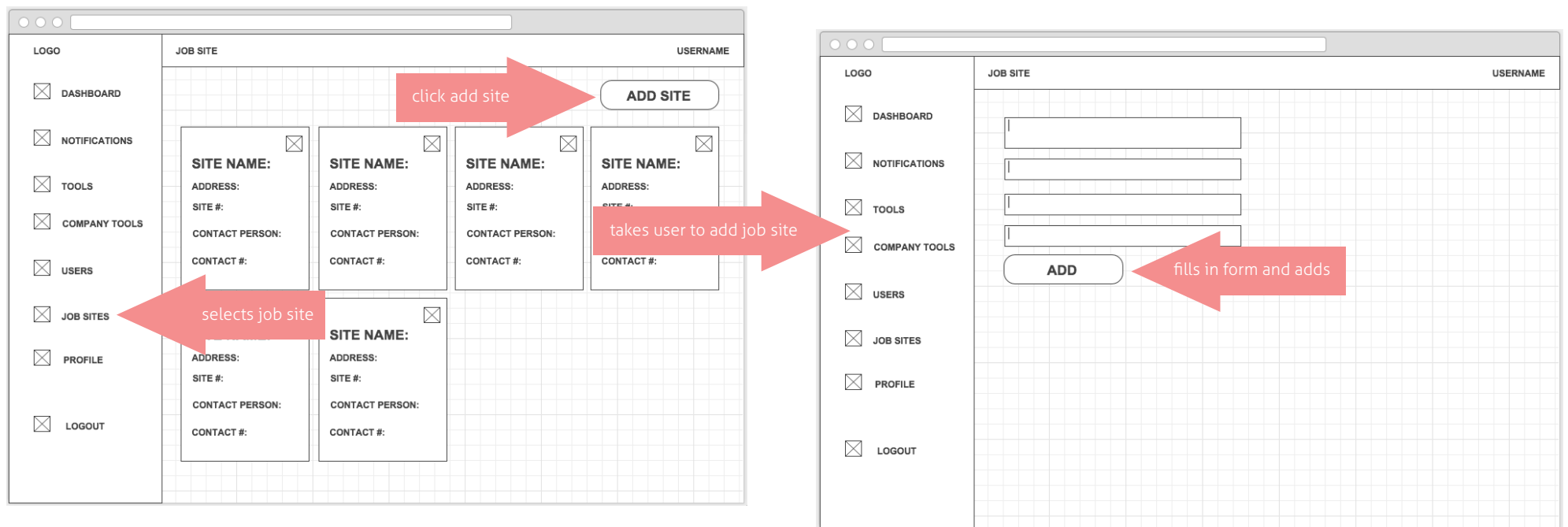
3.0 WIREFRAME MOCKUPS

This wireframe mock-up shows the process an **Admin User** would go through, when viewing and updating the job site profile.



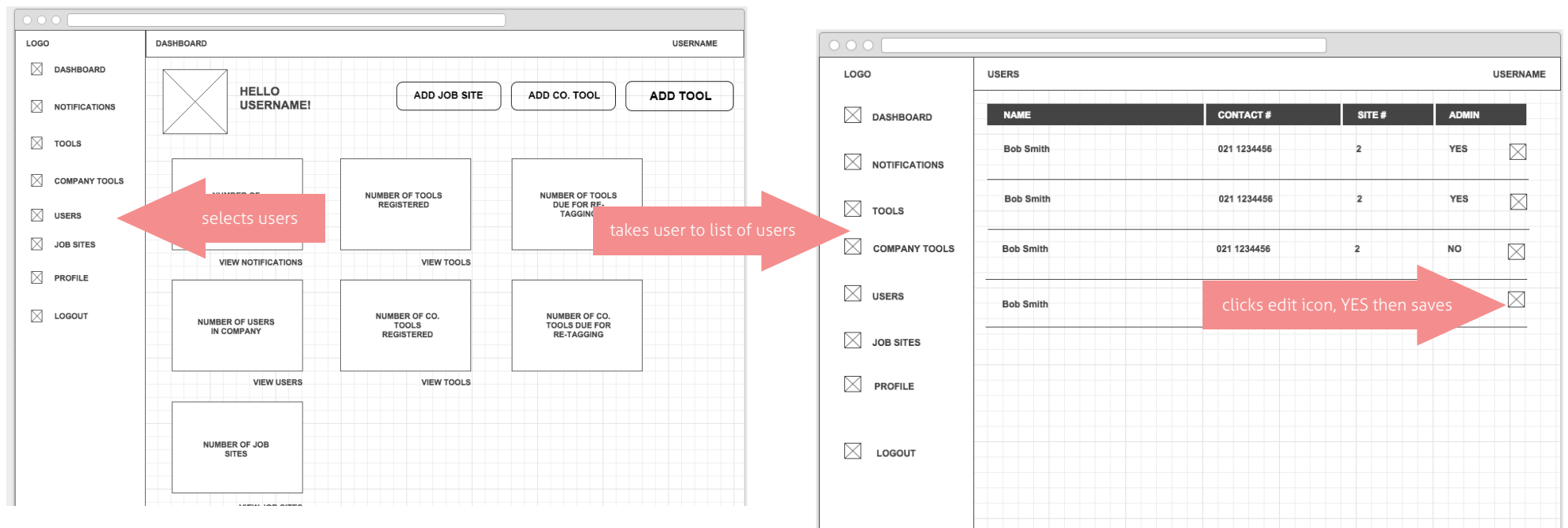
3.0 WIREFRAME MOCKUPS

This wireframe mock-up shows the process a **Super User** would go through, when adding a job site.



3.0 WIREFRAME MOCKUPS

This wireframe mock-up shows the process a **Super User** would go through, when assigning admin rights to a user.



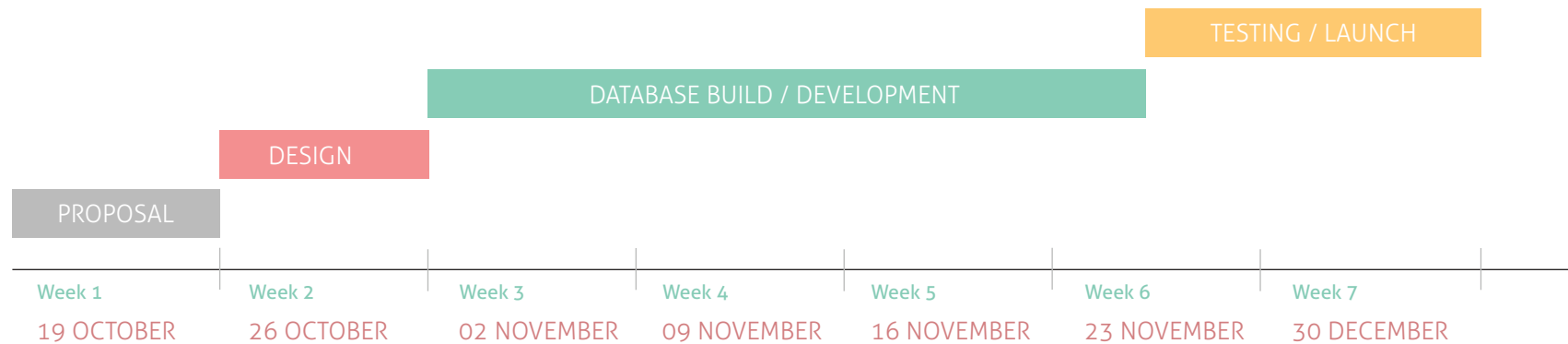
4.0 PROJECT CONSTRAINTS



No constraints have been identified.

5.0 TIME FRAME

The timeframe below provides a breakdown of the process taken in order to complete this website project for Jerellray Kagaoan.



Proposal

Planning
Use Case Diagrams
Use Case Descriptions
Wireframing
ERD

Design

Mockups
Logo
Usability Review
Content Acquisition
Client Proofing

Development

HTML + CSS Coding
PHP Coding
MYSQL
Client Proofing

Review

HTML + CSS Validation
Test Cases
Cross-browser Testing
Final Modifications
Client Proofing

Site Launch

The web application will launch on 4 December 2015.

6.0 COST ESTIMATE



Below is an estimate of the breakdown of costs for this project:

Web Design and Development for Jerellray Kagaoan

Date: 10 July 2015

| SERVICE | COST (NZD) |
|---------------------------------------|---------------|
| Design - desktop and responsive, logo | 1500 |
| Web Development - Front & Back | 6200 |
| Web Hosting - 12 months | 200 |
| Web Maintenance Training - 3 hours | Free |
| Total: | \$7900 |
| GST (15%): | \$1185 |
| Total (GST inc.): | \$9085 |

The quotation provided is based on the work done on a fixed cost basis. If the scope of the project changes at any point after the acceptance of these terms and pricing, an additional proposal accounting for scope changes and costs will be provided by ARTesano web and design.

Should Jerellray Kagaoan require training beyond 3 hours for the maintenance of the Tag & Track web app, an hourly fee of \$50.00 will be applied.

Payment Terms:

Quotes are valid for 14 days from the date it has been issued.

A 50% downpayment is expected upon signing of the contract.

The remainder 50% will need to be paid no later than 7 days after completion of the project.

7.0 CONTRACT



Web Design and Development for Jerellray Kagaoan

Date: 23 October 2015

Identification of Parties

This contract is between Jerellray Kagaoan hereafter referred to as the "Client" and ARTesano hereafter referred to as the "Contractor".

Contract

A contract will be signed before the commencement of the project based on the agreement between the client and the developer. Signing the contract reflects the understanding of obligation and responsibility to the project by both the client and the developer.

Who will actually do the work?

All work will be carried out by the Contractor.

What work will be done?

The contracted work for this contract is detailed in the previous section. Any work that is requested by the Client after this contract has been signed, will be subject to a separate contract.

What about the content?

Everything is supplied by the client, unless otherwise agreed. All images, text, data or other content supplied or used on this site must be either copyright-free, or owned by the client.

When the supply of content is critical to the progress of the development of the site, this will be clearly indicated in the "Contracted Work" section. Failure to supply content by the agreed dates may affect the deadline, or even the delivery of the site.

Site hosting

Much of the code needed for most web sites has already been written by the contractor, and tested on the Contractor's web servers. If the site is not hosted on servers operated by the Contractor, problems may arise which are due to the way the web server has been set up.

Final completion time is rarely affected by problems with other servers, but the Contractor reserves the right to extend this date if necessary. Additional charges may be incurred. The Contractor agrees to keep the Client informed of any such situation as it arises.

Charges commence on publication.

7.0 CONTRACT



Charges and Quotes

Unless otherwise agreed, the Contractor will provide an estimate of the potential cost, and/or hours for the job as understood at that time. The quote in the "Cost Estimate" section will be based on more research, and will incorporate changes agreed by negotiation. It will be either:

- a) A fixed sum for an agreed task.
or
b) An hourly rate with an estimated number of hours required.

In this case the Contractor will charge only for the hours spent on the job, and will notify the Client when 80% of the agreed time has been spent. If further time is required, an estimate will be provided.

Payment

Quotes are valid for 14 days from the date it has been issued. A 50% downpayment is expected upon signing of the contract. The remainder 50% will need to be paid no later than 7 days after completion of the project.

Agreement

If the proposal meets your requirements and you wish for the developer to commence the project, please sign below.

Client:

Jerellray Kagaoan

Name:

Position:

Signature:

Date:

Agency:

ARTesano

Name:

Position:

Signature:

Date: