

Product Specification

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1 Introduction

1.1 Purpose

This document is made for describe a simple login form with register form with ReactJS Front-end and Laravel Back-end made for SaaS Apps for all contributors on this Application and/or Software..

1.2 Scope

To make login and registering basics for a SaaS Apps with React (JavaScript) and Laravel (PHP).

1.3 References

Laravel: <https://laravel.com/>

ReactJS: <https://reactjs.org/>

2 Overall Description

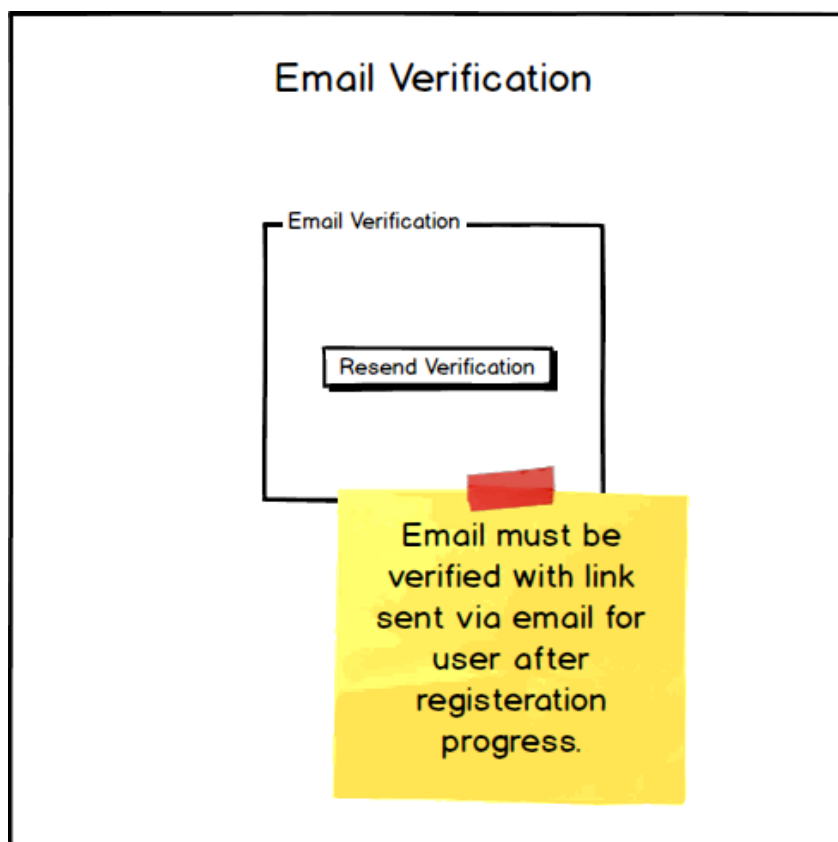
This is a simple login form with register form with ReactJS Front-end and Laravel Back-end made for SaaS Apps.

3 Product Backlog

SAAS-451 - Email Verification

Make simple email verification page. [🚫 Should Have, ✅ Done, [Target Version]]

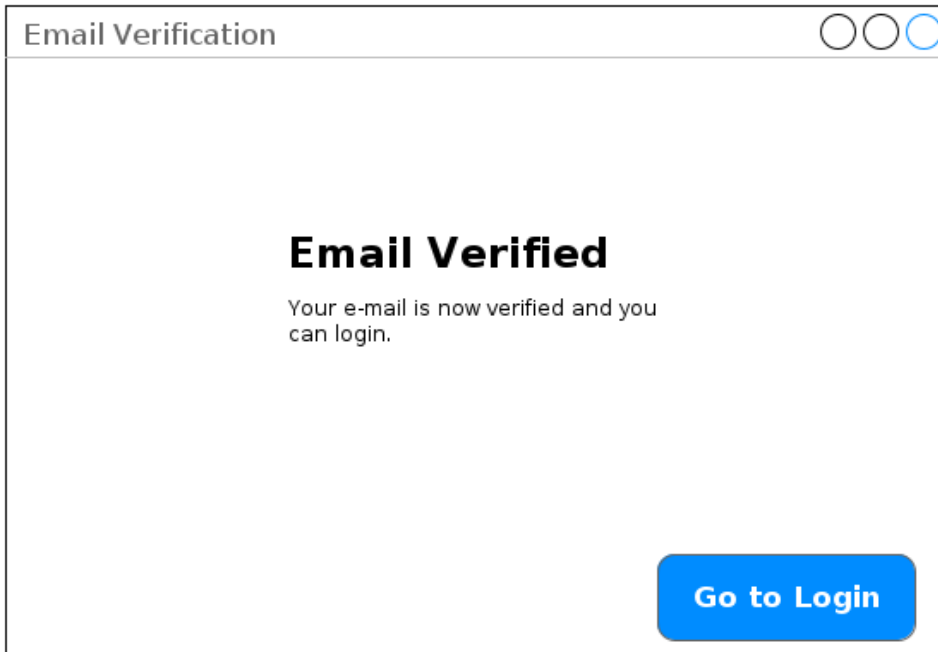
SAAS-452 - Email Verification after the email has been send



[🚫 Must Have, 🟢 Accepted,

[Planned In]]

SAAS-462 - Page After the Verification Link Click



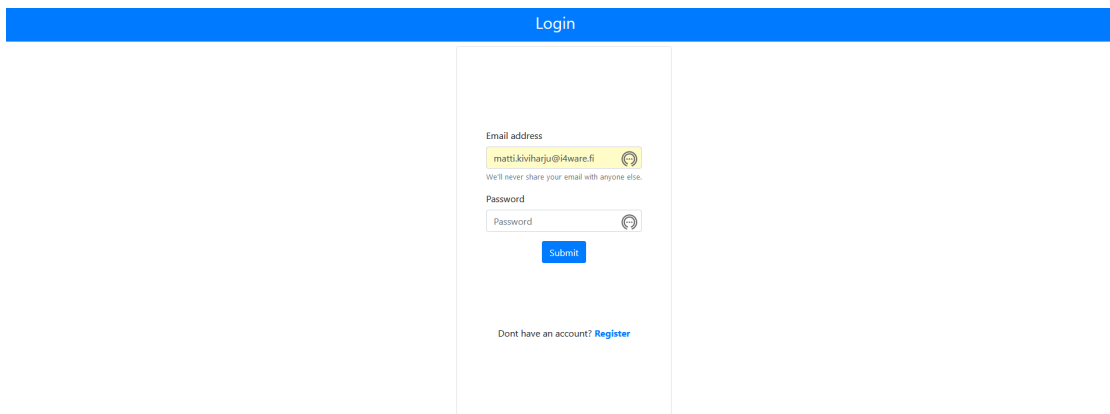
[!] Should Have,

 Draft, [Planned In]]

SAAS-392 - Login Form

A simple login form with React. [!] Must Have,  Done, [Target Version]]

SAAS-395 - Login Form



[!]

Must Have,  Accepted, [Planned In]]

SAAS-391 - Register Form

A simple register form with React. [!] Must Have,  Done, [Target Version]]

SAAS-396 - Register Form

Welcome

Name

We'll never share your name with anyone else.

Email address

We'll never share your email with anyone else.

Domain (Eq i4ware)

We'll never share your domain with anyone else.

Password

Confirm Password

[Register](#)

Already have an account? [Login here](#)



Must Have, 🧑 Accepted, [Planned In]]

SAAS-402 - Content

Content page after login.

[🐛 Must Have, 🧑 Accepted, [Target Version]]

SAAS-403 - Content

Home [Logout](#)

Home page content



Must Have, 🧑 Accepted, [Planned In]]

SAAS-467 - Admin Page for Manage Users

Make User Management.

[🐛 Should Have, 🍷 Draft, [Target Version]]

SAAS-468 - Admin Page for Manage Users

User Mangement			
Name	Email	Is Admin	Domain
Matti Kiviharju		true	i4ware
Will Smith		false	i4ware

[🚩 Should Have, 📝 Draft,

[Planned In]]

SAAS-465 - Admin Page for Manage Domains

Manage Domain Subscriptions, etc.

[🚩 Should Have, 📝 Draft, [Target Version]]

SAAS-466 - Admin Page for Manage Domains

Manage Domains										
Domain	Valid Before At	Type	Phone	Email	Address Line 1	Address Line 2	Zip	City	Country	Is Admin
i4ware		Paid								true
mydomain1		Trial								false
mydomain2		paid								false

Terminate Selected Domains

Extend Selected Domains Valid Before At

Make Selected Domains to Paid

Make Selected Domains to Trial

[🚩 Should Have, 📝 Draft, [Planned In]]

4 Nonfunctional Requirements

4.1 Performance Requirements

If there are performance requirements for the product under various circumstances, state them here and explain their rationale, to help the developers understand the intent and make suitable design choices. Specify the timing relationships for real time systems. Make such requirements as specific as possible. You may need to state performance requirements for individual functional requirements or features.

SAAS-441 - Virtual Private Server with enough CPU, RAM and HDD

PHP software will work with minimal CPU, RAM and HDD. Much of these is not needed. [🚩 Should Have, ✓

Approved, [Target Version]]

4.2 Safety Requirements

Specify those requirements that are concerned with possible loss, damage, or harm that could result from the use of the product. Define any safeguards or actions that must be taken, as well as actions that must be prevented. Refer to any external policies or regulations that state safety issues that affect the product's design or use. Define any safety certifications that must be satisfied.

SAAS-453 - Development in local Machines

Development in local Machines. [] Must Have, Approved, [Target Version]]

4.3 Security Requirements

Specify any requirements regarding security or privacy issues surrounding use of the product or protection of the data used or created by the product. Define any user identity authentication requirements. Refer to any external policies or regulations containing security issues that affect the product. Define any security or privacy certifications that must be satisfied.

SAAS-455 - Laravel's Build-in Passport and JWT for make cross-domain Authentication between RaectJS GUI and Back-end

Tutorials is here: <https://laravel.com/docs/9.x/passport> and <https://medium.com/technology-hits/laravel-react-fullstack-application-with-passport-redux-and-material-ui-backend-1c4b38b08b01> [] Should Have, Draft, [Target Version]]

SAAS-454 - Right Configuration in Apache for SSL Certificate with grade A to A+

Right Configuration in Apache for SSL Certificate with grade A to A+ [] Must Have, Approved, [Target Version]]

4.4 Software Quality Attributes

Specify any additional quality characteristics for the product that will be important to either the customers or the developers. Some to consider are: adaptability, availability, correctness, flexibility, interoperability, maintainability, portability, reliability, reusability, robustness, testability, and usability. Write these to be specific, quantitative, and verifiable when possible. At the least, clarify the relative preferences for various attributes, such as ease of use over ease of learning.

SAAS-446 - Responsive General User Interface

Must work in mobile and desktop environment in the all screen sizes. [] Should Have, Approved, [Target Version]]

4.5 Other Requirements

Define any other requirements not covered elsewhere in the specification. This might include database requirements, internationalization requirements, legal requirements, reuse objectives for the project, and so on. Add any new sections that are pertinent to the project.

SAAS-442 - MIT licensed Source Code

It is recommended that we copy only a MIT licensed Source Code from the Internet if needed and otherwise all contributors writing it them selves. [] Should Have, Approved, [Target Version]]

SAAS-445 - Support for MySQL, PostgreSQL, etc.

Support for MySQL, PostgreSQL, etc. This is database independent based to Laravel PHP Framework, [🚫] Should Have, [✅] Approved, [Target Version]]

SAAS-444 - Multilingual

Support for English and Finnish is minimum requirement. [🚫] Should Have, [✅] Approved, [Target Version]]

SAAS-443 - Maximum reuse cases

Re-usability is this software main focus. [🚫] Should Have, [✅] Approved, [Target Version]]

SAAS-447 - Development Environment in XAMPP

Developing this software in XAMPP in local machine. [🚫] Should Have, [✅] Approved, [Target Version]]

SAAS-448 - GIT for store a Source Code Version Control System

GIT like Atlassian Bitbucket to store a Source Code and it's changes, etc. [🚫] Should Have, [✅] Approved, [Target Version]]

5 Appendix A: Terminology/Glossary/Definitions list

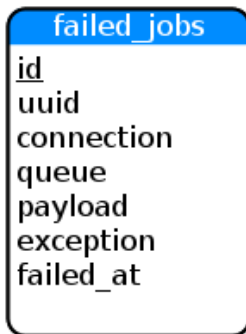
Define all the terms necessary to properly interpret this document, including acronyms and abbreviations. You may wish to build a separate glossary that spans multiple projects or the entire organization, and just include terms specific to a single project in each document.

- **Personal Access Tokens:** Sometimes, your users may want to issue access tokens to themselves without going through the typical authorization code redirect flow. Allowing users to issue tokens to themselves via your application's UI can be useful for allowing users to experiment with your API or may serve as a simpler approach to issuing access tokens in general. See a details here: <https://laravel.com/docs/8.x/sanctum> and here: <https://laravel.com/docs/8.x/passport#personal-access-tokens>
- **Domains:** Domains in this software is a like space for single company and all it's employees. Valid_before_at field in this database table is a date-time field for a purpose i.e which date and time this user's domain is effective like for 30 days after user is made a domain for him/her self and his/her company.

6 Appendix B: Analysis Models

Optionally, include any pertinent analysis models, such as data flow diagrams, class diagrams, state-transition diagrams, or entity-relationship diagrams.

SAAS-397 - failed_jobs ERD



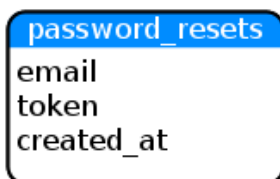
[ Must Have,  Accepted, [Planned In]]

SAAS-398 - migrations ERD



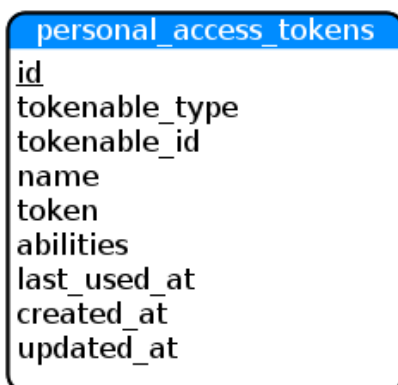
[ Must Have,  Accepted, [Planned In]]

SAAS-399 - password_resets ERD



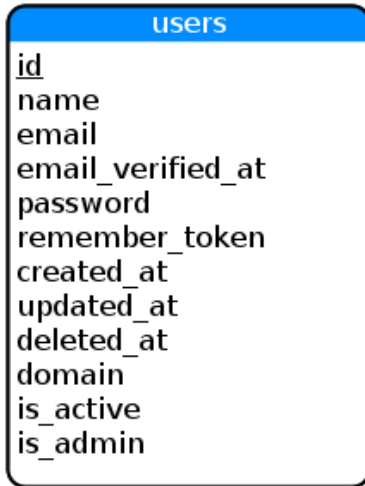
[ Must Have,  Accepted, [Planned In]]

SAAS-400 - personal_access_tokens ERD



[ Must Have,  Accepted, [Planned In]]

SAAS-401 - users ERD



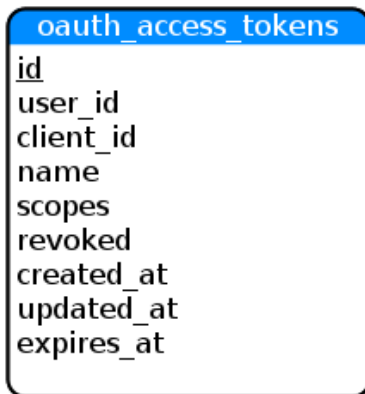
[ Must Have,  Accepted, [Planned In]]

SAAS-404 - domains ERD



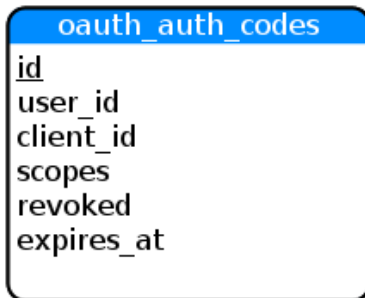
[ Must Have,  Accepted, [Planned In]]

SAAS-456 - oauth_access_tokens ERD



[🔴 Should Have, 📝 Draft, [Planned In]]

SAAS-457 - oauth_auth_codes ERD



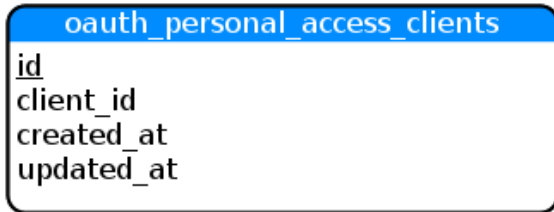
[🔴 Should Have, 📝 Draft, [Planned In]]

SAAS-458 - oauth_clients ERD



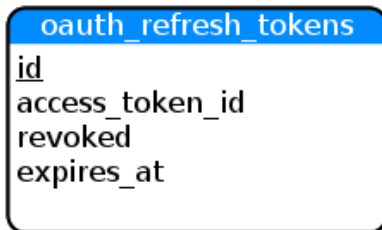
[🔴 Should Have, 📝 Draft, [Planned In]]

SAAS-459 - oauth_personal_access_clients ERD



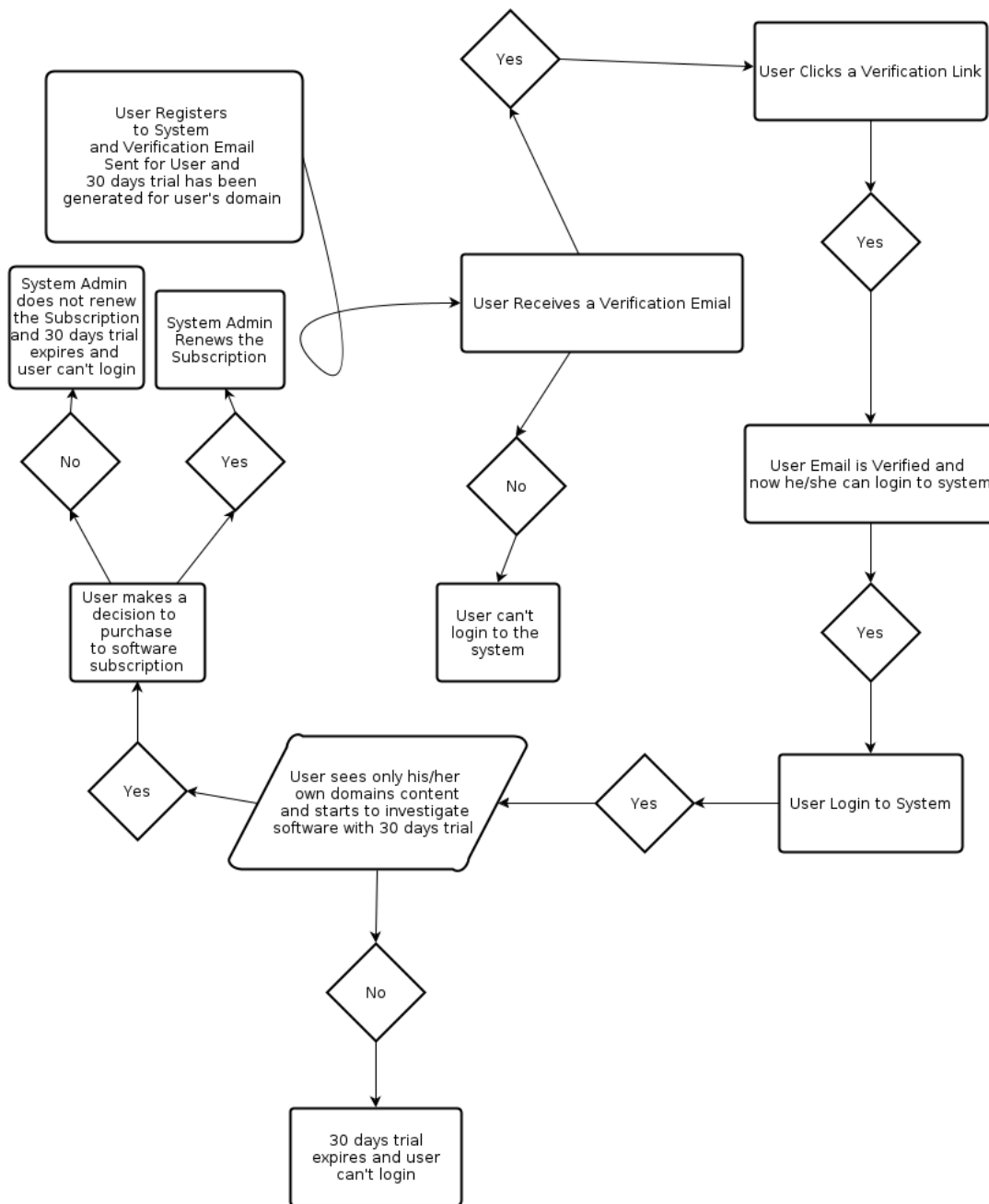
[ Should Have,  Draft, [Planned In]]

SAAS-460 - oauth_refresh_tokens ERD



[ Should Have,  Draft, [Planned In]]

SAAS-461 - Use Case as Flow Diagram



Should Have, Draft, [Planned In]

7 Signatures

Document Properties

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Approved Versions

Current Document version **1.0.1** has **not** been approved.

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Document Signatures

Mark Reviewed (*Status Change Ready*)

 **Matti Kiviharju**

Signed

2022-06-06 09:30