

INVOICING
TheValley

Confidential

Versie: 1.0

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ASSIGNMENT

The invoices will be used to send invoices to the clients of TheValley. The invoices will be used for an invoice, hourly rate invoice, subscriptions fee, etc. An example of an invoice is attached to this document.

The invoice module will be used for Ladento. Ladento is a web order platform for the dental industry. The idea is that Tooth technical laboratories add their products on this web application, so that Dentists can find all the Medical devices, such as crowns and prosthetics at one location. Ladento brings the dentistry together offering better communication, price-information and more transparency for the patients.

We've created user stories for the development of the invoicing module. These stories can be found on next page.

This project should be developed with the latest version of Drupal 8 and contains all the new techniques of Drupal. For the future proofness of Ladento it is important to build the invoices so generic as possible, so it is possible to change the invoices in the future. All the invoice types, rows and tax types should be in entities with entity bundles when needed. All the code for Ladento should be compliant with the coding standards of Drupal and the SOLID principles. Documentation about the Drupal coding standards <https://www.drupal.org/docs/develop/standards/coding-standards>. Documentation about the SOLID principles <https://hackernoon.com/solid-principles-made-easy-67b1246bcd>.

USER STORIES

EPIC 1: PROJECT SETUP

This epic contains the basic project setup for the invoicing project.

Story 1: As developer I need a Drupal 8 installation

Basic Drupal 8 setup with composer setup. This is needed so the project can be developed, testED and delivered.

This project should be pushed to the Gitlab environment of TheValley.

Please ask for access to the Gitlab project.

Story 2: As developer I need a development environment with Docker

For the development of this project the Drupal installation should run in Docker containers. These containers can be used by multiple developers to share the same configuration for the webserver, PHP and database server.

Story 3: As developer I save the configuration of Drupal to GIT

To share the configuration of Drupal to all the environments and developers the configuration should be saved in GIT.

Story 4: As developer I need a README with the setup steps for this project, so another developer can use this project.

This project should be transferable between developers of TheValley. This README should contain the steps to setup this project.

EPIC 2: INVOICING

The invoices will be used for an invoice, hourly rate invoice, subscriptions fee, etc. See the attachment for an example of an invoice.

Story 5: As developer I need an entity to create the invoice

I need an invoice entity to create an invoice.

This entity needs the following fields:

- Date
- Invoice number (unique)
- Subject
- Address
 - Company
 - Name
 - Street
 - House number
 - Postal code
 - City

The add, edit and view of the invoice should in the frontend theme.

Story 6: As user I can edit the invoice

I can edit the invoice and save this.

Story 7: As user I can delete the invoice

I can delete the invoice. Before the deletion a confirmation of the user is required.

This confirmation message should be: "are you sure you want to delete this be invoice. This can't be undone."

Story 8: As user I can create an invoice row

I can create a row on the invoice.

These rows should contain the following fields:

- Description
- Unit costs
- Quantity
- Tax
 - Subtotal

Story 9: As user I should see the invoice total

The invoice total should be visible on the invoice detail page.

Part of this functionality is a unit or kernel test to test of the calculation logic is correct.

Story 10: As user I should see the updated invoice total at the edit and add page

The invoice total should be visible on the invoice edit and add page. When an invoice row is added this invoice total should be updated automatically.

Story 11: As user I want to export the invoice to a PDF

When the user clicks on an export button on the invoice this invoice should be downloaded to a PDF file.

Story 12: As user I want an overview with all the invoices

THIS SHOULD BE A TABLE VIEW. This view should be sortable on all the columns.

The invoice overview should the following fields:

- Invoice number
- subject
- Address -> company or address -> name
- Date
- Total

Ladento

EXAMPLE INVOICE

DATE:
INVOICE #

November 14, 2019
100

Company Name
Name
Street Address
City, ST ZIP Code

DESCRIPTION	UNIT COSTS	QTY	TAKS	AMOUNT
Patient 1234	€ 100,00	1,00	21,00%	€ 100,00
Discount 20%	-€ 20,00	1,00		-€ 20,00

SUBTOTAL

€ 80,00

TAX

€ 16,80

TOTAL

€ 96,80