

Documentatie S3 Software

Inhoud

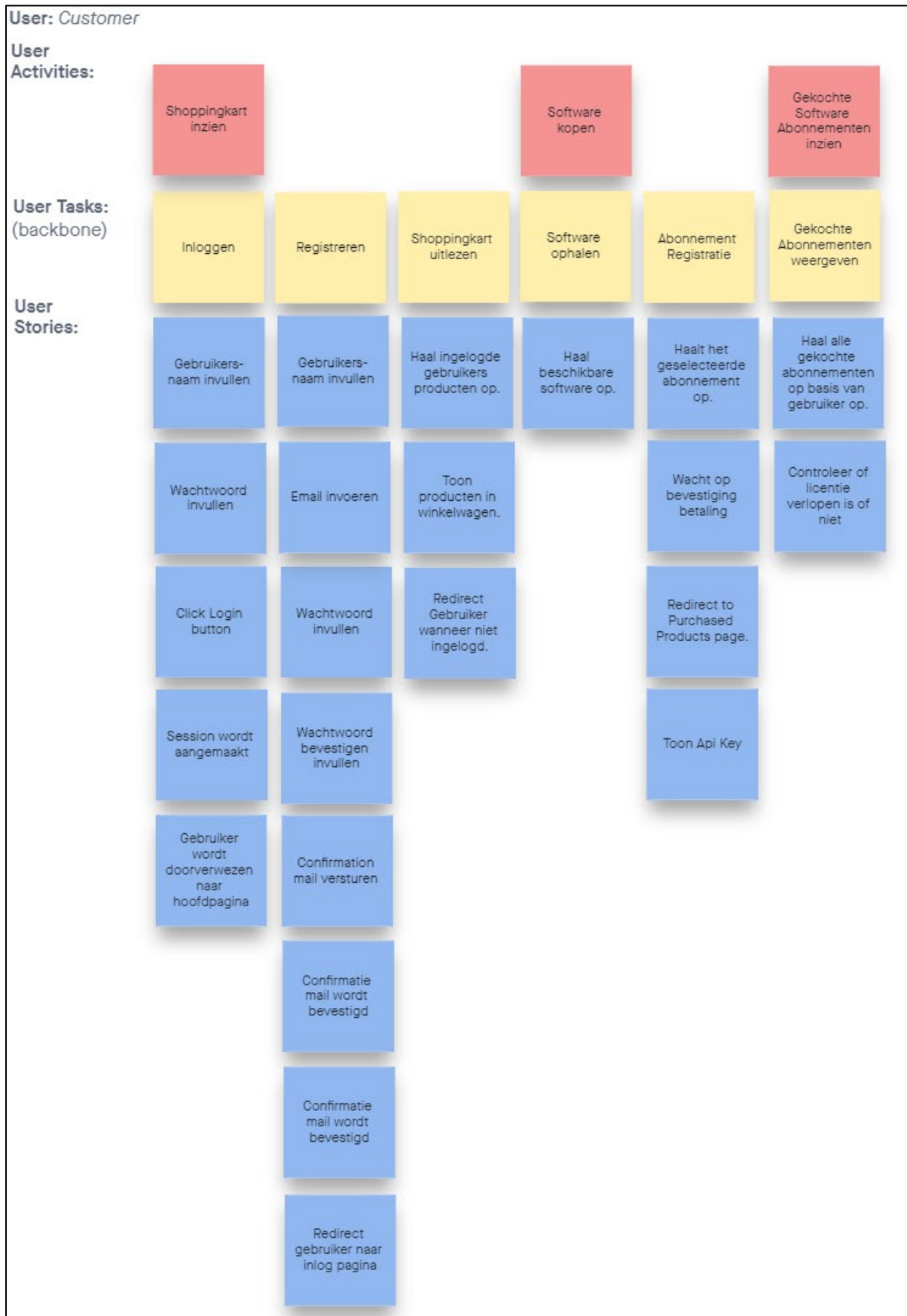
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Version control

User stories

Code	User story
US01	I must be able as admin to login.
US02	I want as a customer to have an own account
US03	I want as a customer to be able to login into my own account.
US04	I want as a customer to be able to buy a software abonnement where I'm interested in.
US05	I want as a admin to be able to add software products to my Webshop.
US06	I want as admin to be able to view activated licenses in a dashboard.
US07	I want as a customer to be able to view the contents of my shopping cart.
US08	I want as a customer to be able to see my purchase history.
US09	I want as a customer to be able to view my purchased product key.
US10	I want as admin that the customer receives their product key after the payment.
US11	I want as developer a separate component for users.
US12	I want as developer a separate component for the API access.
US13	I want as developer a separate component for orders.
US14	I want as developer separate front-end projects for the Webshop, customer dashboard and admin dashboard.
US15	I want as customer a download link when I buy a desktop app.
US16	I want as admin to be able to give different kind of subscription based on the need of the customer.

User journey



Functional Requirement

Code	User Story	Name	Description
FR01	US01, US02, US03, US11	Add User component.	Separate component for the user system. By doing this it will be possible to reuse this system in multiple applications.
FR02	US14	Make default Webshop front-end.	Separate component for the Webshop in order to keep all the CSS, HTML en JS for the Webshop only with the Webshop.
FR03	US14	Make default customer dashboard front-end	Separate component for the User dashboard this will become the place where the user can see their licenses for example.
FR04	US14	Make default admin dashboard front-end	Separate component for the admin dashboard this will become the place where all the management for the Webshop data can be done.
FR05	US01	Login (Admin).	Add a login function by using the User component, also make the login view for the admin dashboard.
FR06	US01	Register (Admin).	Add a register function by using the User component, also make the register view for the admin dashboard.
FR07	US02, US03	Login (Customer).	Add a login function by using the User component, also make the login view for the customer dashboard.
FR08	US02	Register (Customer).	Add a register function by using the User component, also make the register view for the customer dashboard.
FR09	US04, US05	Add software component. (CRUD)	By adding this component we will be able to add software products to the Webshop and in the future also other applications.
FR10	US04, US05	View software abonnement in Webshop (Customer).	The view of software products this will exists out of 2 pages one with a overview of products the other with detailed information about the software.
FR11	US04	Add payment component.	By adding this component we can use it in the Webshop for paying for the products in the future it will also be easy to implement this component in different applications in the future.
FR12	US04, US05	Add payment to software abonnement in Webshop.	The possibility to pay for the software you want.
FR13	US06, US13	Add licenses component. (CRUD)	By adding this component it will be possible to add Software licenses to the Webshop.
FR14	US06	Add activated licenses overview page.	On this page it will be possible to view all activated licenses this will also be filterable on user.

FR15	US07	Add shopping cart component. (CRUD)	By adding this component it will be possible to add shopping cart logic to the Webshop.
FR16	US07	Add shopping cart page (Customer).	By adding this page it will be possible for the customer to see the products they are about to order.
FR17	US08	Add order component. (CRUD)	By adding this component it will be possible to add order logic to the Webshop.
FR18	US08	Add purchase history page.	By adding this page the customer can see their order history.
FR19	US09	Add subscriptions component (CRUD)	By adding this component it will be possible to manage subscriptions using it.
FR20	US09	Add active subscriptions overview page to user dashboard.	By adding this page to the user dashboard it will be possible to see for the customer which descriptions they already have.
FR21	US09, US10	Add product key to the details of the active subscription.	By adding a product key to the product we can manage access to it no matter if it's a desktop app or a web app.
FR22	US10	Send product key by email to customer.	By doing this we guarantee that the customer has a product key.
FR23	US12	Add API component.	By doing this we can manage API access this is to protect against users that are not allowed to access the API.
FR24	US15	Add download link in case software abonnement is a desktop app.	By doing this we can offer also desktop apps instead of only web apps.
FR25	US16	Add permission component.	By adding this component it is possible to manage the permissions inside the Webshop and other applications.
FR26	US16	Add different subscription based on the permission levels.	By adding an extra field to the database named "on_payment" it is possible to pay for this permission level.
FR27	US16	Add different subscription based on the amount of uses of the activation key.	By doing this we can support small businesses but also enterprises.

Requirement Code	Criteria	Limitation	Quality Requirement
FR01 : <i>Add user component.</i>	FR23 must be finished.	In this component may only be User related functions like creating users, authentication, etc.	This component needs to support the following things: User CRUD, User Authentication, User Registration and User logout. Also the component needs to be protected by the API Access component.

FR02 : <i>Make default Webshop front-end.</i>	The front-end must only display Webshop related content meaning things like account details don't need to be displayed here because that's the Customer dashboard it's responsibility.	Only the Webshop content can be displayed. Data is based on other components.	This front-end must have a registration page, login page, products page, product details page, shopping cart page and payment page.
FR03 : <i>Make default customer dashboard front-end.</i>	The front-end must only display Customer dashboard related content.	Only the Customer dashboard content can be displayed. Data is based on other components.	This front-end must have a subscriptions page, account page, subscription details page and a subscription history page.
FR04 : <i>Make default admin dashboard front-end.</i>	The front-end must only display Admin dashboard related content.	Only the Admin dashboard content can be displayed. Data is based on other components.	This front-end must have a software product CRUD, payment overview page, order overview, permissions CRUD, API CRUD and a User CRUD.
FR05 : <i>Login (Admin).</i>	FR01 must be finished. FR05 must be finished.	Only a login for the Admin dashboard.	Must have the following fields: email, password and a remember me.
FR06 : <i>Register (Admin).</i>	FR01 must be finished.	Only register for the Admin dashboard.	Must only be available at the Admin dashboard with the right permissions.
FR07 : <i>Login (Customer).</i>	FR01 must be finished. FR08 must be finished.	Only a login for the Customer dashboard.	Must have the following fields: email, password and a remember me.
FR08 : <i>Register (Customer).</i>	FR01 must be finished. FR23 must be finished.	Only a register for the Customer.	Must have the following fields: Email, password, confirm password and a telephone number field.
FR09 : <i>Add software component. (CRUD)</i>	FR01 must be finished. FR23 must be finished.	The software components software for the crud must be either a web app or a desktop app.	NVT.
FR10 : <i>View software abonnement in Webshop (Customer).</i>	FR09 must be finished.	This will only be viewable with the pictures for now there will be no demo's because that is too complicated.	Must first investigate relatable websites and how they supply their pages look.

FR11 : <i>Add payment component.</i>	FR23 must be finished. FR17 must be finished.	This component has as limit which is the available payment providers.	Research is needed to look for a available payment provider to do business with in case this is possible.
FR12 : <i>Add payment to software abonnement in Webshop.</i>	FR11 must be finished. FR01 must be finished.		
FR13 : <i>Add licenses component. (CRUD)</i>	FR23 must be finished. FR09 must be finished. FR04 must be finished.		
FR14 : <i>Add activated licenses overview page.</i>	FR03 must be finished. FR23 must be finished FR09 must be finished.		
FR15 : <i>Add shopping cart component. (CRUD)</i>	FR04 must be finished. FR23 must be finished.		
FR16 : <i>Add shopping cart page (Customer).</i>	FR02 must be finished. FR01 must be finished FR15 must be finished.		
FR17 : <i>Add order component. (CRUD)</i>	FR23 must be finished.		
FR19 : <i>Add subscriptions component (CRUD)</i>	FR11 must be finished. FR23 must be finished.		
FR20 : <i>Add active subscriptions overview page to user dashboard.</i>	FR03 must be finished. FR19 must be finished. FR07 must be finished.		
FR21 : <i>Add product key to the details of the active subscription.</i>	FR20 must be finished.		
FR22 : <i>Send product key by email to customer.</i>	FR17 must be finished.		
FR23 : <i>Add API component.</i>	NVT.	NVT.	This component has the responsibility to manage all API connections meaning all API keys that are being used are managed by it.

FR24 : <i>Add download link in case software abonnement is a desktop app.</i>	FR09 must be finished.		
FR25 : <i>Add permission component.</i>	FR01 must be finished. FR23 must be finished.		
FR26 : <i>Add different subscription based on the permission levels.</i>	FR25 must be finished. FR19 must be finished.		
FR27 : <i>Add different subscription based on the amount of uses of the activation key.</i>	FR19 must be finished.		

Code	User story	Description	Criteria	Limitation	Quality Requirement
MH1	US01		It must be possible as admin to login into the admin dashboard.	Only login into the admin dash board not the customer dashboard.	
MH2	US02		It must be possible for a customer to register their own account.	The account may only be used in the Webshop and Customer dashboard but never in the Admin dashboard.	
MH3	US03		The password for the account must be hashed.	The username must be unique.	User will be after an incorrect login asked to enter his data again. When a correct login happens the user will be redirected to the previous page or the homepage.
MH4	US04		There must be a page where the customer can buy the software.	NVT.	
MH5	US05		There must be a page where the Admin can add software products.	There must be a name, price and a software product on submission.	The customer will receive their own personal license key and in case the software product is a desktop application a

					download link otherwise a redirect to the application.
MH6	US06		There must be a separate page with all licenses.	NVT.	The following information should be present at the license page. License owner, license key, times used, time remaining and the max number of uses.
SH1	US07		There must be a shoppingcart page with the products that are being ordered.	NVT.	The following information should be shown the price per product, total price and the number of uses of the product.
SH2	US08		A customer must have in the customer dashboard a separate page with purchased products.	The page may never have a system of showing content based on user id in url session must always be used.	The following information must be displayed product name, license key, expiration date and number of uses.
SH3	US09		Purchased products page must have info about the Api keys.	NVT.	The info about the API key should be present in the purchased products page.
SH4	US10		The customer needs to pay first.	NVT.	Only after the payment is complete the user is redirected to the download page where it's checked if the order has been paid.
SH5	US11		NVT.	NVT.	This enhances the useability of user related functions application wide and allows the application to function as Distributed software would.
SH6	US12		NVT.	NVT.	By having a separate component for the API key it is possible to control API access for inside as well as outside the application. By doing this future applications can also depend on this component for API access allowing precise management of the systems.
SH7	US13		NVT.	NVT.	By doing this it is possible to move all responsibility

					to order component. By making this system independent it can be possible in the future to reuse this component for multiple other solutions.
SH8	US14		NVT.	NVT.	
SH9	US15		Only when the payment has been completed.	Only for desktop app.	By doing this the Webshop removes the limit to be only able to sell web apps. This way selling desktop apps is also possible.
CH1	US16		There must be different versions with permissions for the application that the customer wants to buy.	Only applications that support different permission levels.	By doing this it is possible to support different category of customers while being paid accordingly for the service provided.

Non-functional requirements

Code	Requirements
NF1	The potential customer must be investigated in order to make sure the ui of the Webshop fits their need.
NF2	Application must be mobile friendly
NF3	Application should contain multiple components
NF4	Application should be live 24/7.
NF5	Automated testing for each component.
NF6	Version control by using gitlab
NF7	Trello for using scrum.

Moscow

For information about the codes used see go to the functional requirements and the non-functional requirements.

1. Must Have

- a. MH1
- b. MH2
- c. MH3
- d. MH4
- e. MH5
- f. MH6

2. Should have

- a. SH1
- b. SH2
- c. SH3
- d. SH4
- e. SH5
- f. SH6
- g. SH7
- h. SH8
- i. SH9
- j. NF2
- k. NF3

3. Could have

- a. CH1
- b. NF1

4. Would have

- a. NF4
- b. NF5
- c. NF6
- d. NF7