Agilent Documentatie



# Introductie

# De skill matrix

## De huidige skill matrix

## De behoefte (nieuwe skill matrix)

# 

# Stijl definitie

Dit omschrijft de basis-stijl van de applicatie.

## Kleuren

* #0085D5 – Primair. (Hyperlinks, buttons, accenten)
* #DDDDDD – Borders.
* #333333 – Tekst.
* #FFFFFF – Achtergrond.
* #F5F5F5 – Alternatieve achtergrond

## Witruimte

Grote ruimte: 30px. Deze ruimte wordt gebruikt tussen blokken.

Medium ruimte: 20px. Wordt gebruikt tussen de border van een blok en de content.

Kleine ruimte: 10px. Wordt gebruikt tussen content elementen.

## Afgeronde hoeken

Input-elementen en knoppen: 4px in alle hoeken.

Andere elementen: Geen.

## Typografie

### Alle tekst

Regelhoogte: 1.428

Lettertype: Open Sans (regular 400)

### Standaard tekst

Lettergrootte: 14px

### Koppen

Lettergrootte kop 1: 28px

Lettergrootte kop 2: 22px

Lettergrootte kop 3: 16px

## Iconen­­

De iconen komen uit FontAwesome.

# Data definition

Voor de users wordt het ingebouwde systeem van Django (django.contrib.auth) gebruikt. Django heeft de volgende models: User, Group, Permission, ContentType.

## Engineers

|  |  |  |
| --- | --- | --- |
| **Name** | **Column** | **Type** |
| Employee number | id | Integer  Primary key |
| First name | first\_name | Varchar (100) |
| Last name | last\_name | Varchar (100) |
| Droppoint | droppoint | Char (20) |
| Phone | phone | Char (11) |
| Email | email | Varchar (255) |
| VCA number | vca\_number | Char (19) |
| VCA date | vca\_date | Date |
| Car type | car\_type | Varchar (100) |
| Car color | car\_color | Varchar (100) |
| License plate | license\_plate | Varchar (10) |
| Street | street | Varchar (100) |
| Zip code | zip\_code | Varchar (10) |
| City | city | Varchar (100) |
| Country | country\_id | TinyInt |
| Is active | is\_active | Boolean |

## Skills

|  |  |  |
| --- | --- | --- |
| **Name** | **Column** | **Data type (length)** |
|  | id | Integer  Primary key |
| Engineer | engineer\_id | Integer  Index (engineer\_id, product\_id) |
| Product | product\_id | Integer  Index |
| Skill level | level | TinyInt |

## Products

|  |  |  |
| --- | --- | --- |
| **Name** | **Column** | **Data type (length)** |
|  | id | Integer  Primary Key |
| Category | category\_id | Integer |
| Model | model | Varchar (100) |
| Type | type | Varchar (100) |
| Crosslab | is\_crosslab | Boolean |
| Is active | is\_active | Boolean |

## Categories

|  |  |  |
| --- | --- | --- |
| **Name** | **Column** | **Data type (length)** |
|  | id | Integer  Primary key |
| Short name | short\_name | Char (2) |
| Full name | name | Varchar (100) |
| Parent category | parent\_id | Nullable Integer  Index |

## Notes

|  |  |  |
| --- | --- | --- |
| **Name** | **Column** | **Data type (length)** |
|  | id | Integer  Primary key |
| Engineer | engineer\_id | Integer |
| Content | content | Varchar (255) |
| Shows from this date | visible\_from | Nullable date |
| Shows until this date | visible\_until | Nullable date |
| Created at | created\_at | DateTime |

## Countries

|  |  |  |
| --- | --- | --- |
| **Name** | **Column** | **Data type (length)** |
|  | id | Integer  Primary key |
| ISO Code | Code | Char (2) / Char (3) |
| Full name | name | Varchar (100) |

## Languages

|  |  |  |
| --- | --- | --- |
| **Name** | **Column** | **Data type (length)** |
|  | id | Integer  Primary key |
| ISO Code | Code | Char (2) / Char (3) |
| Full name | name | Varchar (100) |

## Engineer languages

|  |  |  |
| --- | --- | --- |
| **Name** | **Column** | **Data type (length)** |
|  | id | Integer  Primary key |
| Language | language\_id | Integer |
| Engineer | engineer\_id | Integer |

Feature list front-end

**Hoofd pagina**

1. **Searchbalk**

*Wat is het?*

Een zoekbalk

*Waar dient het voor?*

Het zoeken van engineers en/of producten

*Hoe werkt het?*

* + Zoekt op naam van engineer en machine tegelijkertijd
  + Resultaten worden al weergegeven tijdens het typen
  + Kan resultaten van zoeken filteren op land, etc.

1. **Productlijst**

*Wat is het?*

Een lijst met namen

*Waar dient het voor?*

Het weergeven van de producten waarop gezocht wordt

*Hoe werkt het?*

* + Lijst met producten die verkort wordt hoe meer je typt in de zoekbalk.
  + Op een mouse-over van een naam veranderd de kleur van de selectie om duidelijk te maken welke je hebt geselecteerd.
  + Als een product aangeklikt is dan staat er rechts een plaatje van dit product, ook komt er dan in de engineerlijst te staan welke engineers deze skill hebben.

1. **Productinformatie**

*Wat is het?*

Een veld met informatie

*Waar dient het voor?*

Informatie weergeven over het product die je geselecteerd hebt

*Hoe werkt het?*

* + Van de geselecteerde product wordt informatie laten zien. Naam van product, plaatje van het product.

1. **Engineerlijst**

*Wat is het?*

Een lijst met namen

*Waar dient het voor?*

Het weergeven van de engineer waarop gezocht wordt

*Hoe werkt het?*

* + Lijst met engineers die verkort wordt hoe meer je typt in de zoekbalk
  + Op een mouse-over van een naam veranderd de kleur van de selectie om duidelijk te maken welke je hebt geselecteerd.
  + Op een mouse-over is er ook een pop-up waarbij je de status kan zien van deze engineer (ex. Ziek, Vakantie)
  + Naast de naam van de engineer staat er ook of ze een ASP/FFS zijn. Daarnaast staat ook hun land van origine.

1. **Engineerinformatie**

*Wat is het?*

Een lijst met namen

*Waar dient het voor?*

Het weergeven van de engineer waarop gezocht wordt

*Hoe werkt het?*

* + Als er een engineer geselecteerd is komt er een infoblok met:

De naam, het level, een foto, de droppoint, de telefoonnummer, de e-mail,

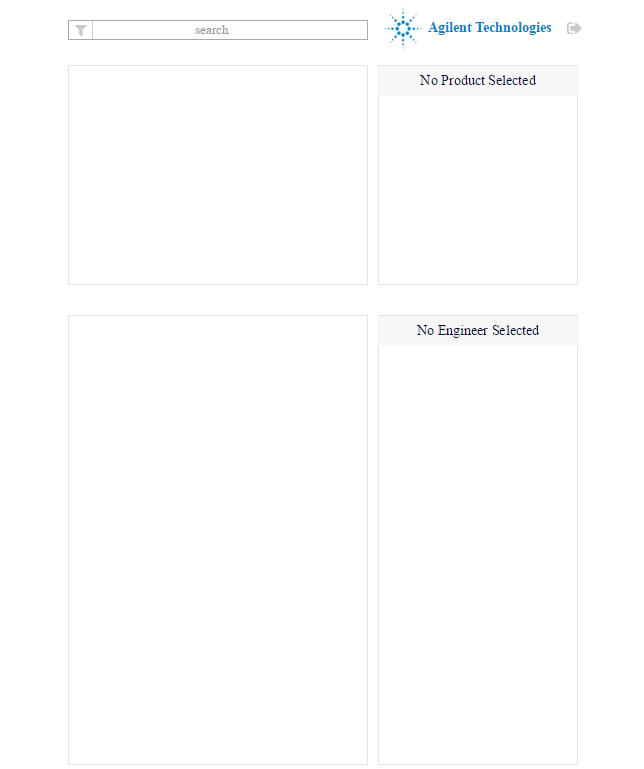
het werknemersnummer, het VCA, de datum wanneer de VCA behaald is, nummerbord op auto, het automerk, straatnaam, postcode, straatnummer, plaats, land, gesproken talen.

* + Ook als er een engineer is geselecteerd komt er bij de “Producten vak” te staan voor welke apparaten hij getraind is.

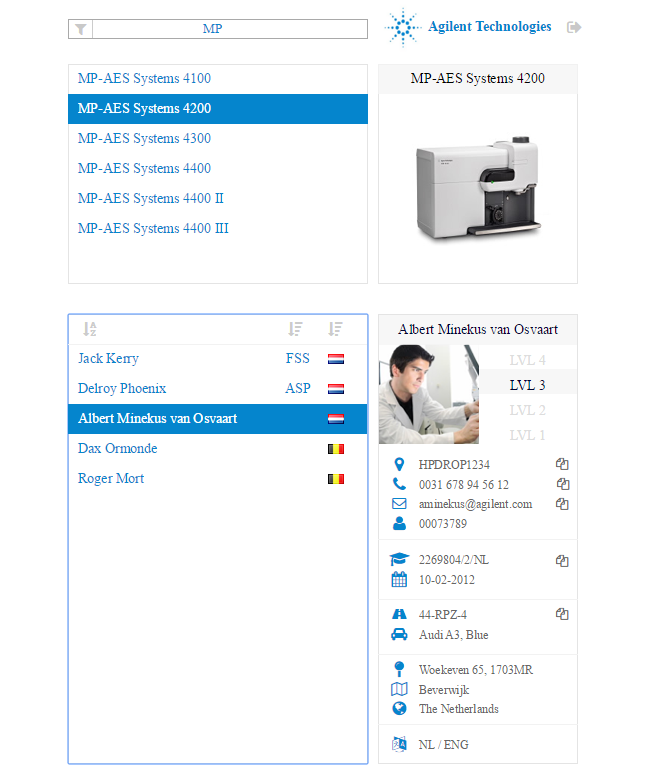
\*Front end 1 is als je nog niets geselecteerd heb.

\*Front end 2 is als je alles geselecteerd hebt.

Front end 1



Front end 2



Feature list backend

This is an overview of all the features in the backend of our project for Agilent Technologies. In this feature list you will find all the features with the corresponding images. The features are split up in four different sections. These contain the following categories and their sub-categories:

* Engineers
* Products (with 7 sub-categories)
* Categories
* Users

**Engineers**

**1. Navigation**

*What is it?*

A button which links to a different page and where the current page is highlighted.

*What is its purpose?*

Navigating a user to a different page in the backend of the application.

*How does it work?*

You press on the desired page you would like to visit with the left mouse button. After you click it the application will take you to this page.

**2. Search**

*What is it?*

An input field in which you can search for an engineer, either by only typing a few letters or the engineer’s full name.

*What is its purpose?*

To look for an engineer which you would like to edit or view the details of.

*How does it work?*

You press the field and type in a part of the name, or the full name of the desired engineer. The search bar searches without reloading the page. You can search for first and / or last name of an engineer.

**3. Add new engineer**

*What is it?*

A button on the top right side of the page which lets you add a new engineer.

*What is its purpose?*

Creating a new engineer.

*How does it work?*

You press on the button with the left mouse button. After you press the button a new form opens in a panel on the right side of the page. In this panel you can add a new engineer.

**4. Engineer**

*What is it?*

All engineers currently in the database will be shown here. If you click on the name of an engineer his information will show up in a panel on the right side of the page. If you hover over the name of an engineer you will see the current note of the corresponding engineer.

*What is its purpose?*

Listing all the engineers.

On click: Showing all the information of the engineer.

On hover: Shows the current note of the engineer

*How does it work?*

When the page is loaded al the engineers will be listed here. When you click on an engineer all his information will be shown in a panel on the right. When you hover over an engineer his current note will be seen in a small block. **(see 08)**

**5. Note**

*What is it?*

A button which opens a panel on the right side of the page where you can edit the current note of the engineer.

*What is its purpose?*

Editing the current note of the corresponding engineer.

*How does it work?*

When you click on the button the note panel will be opened on the right side of the screen. You can edit the current note here in a form. **(see 09)**

**6. Add / remove skill**

*What is it?*

A button next to the name of the engineer. When the button is clicked with the left mouse button it opens a panel with a form on the right side of the screen.

*What is its purpose?*

Editing or removing skills on an engineer.

*How does it work?*

When the button is clicked with the left mouse button it opens a panel with a form on the right side of the screen. In this panel you can add and / or remove skills on the engineer object. **(see 10)**

**7. Edit**

*What is it?*

A button which you can click to edit the details of the selected engineer.

*What is its purpose?*

To edit the details of the selected engineer.

*How does it work?*

You press the edit button next to the engineer with the left mouse button. Once you pressed the button a new panel opens on the right side of the screen with a form in it which lets you edit the details of the engineer. **(see 11)**.

**8. Input ‘Add new Engineer’**

*What is it?*

A form which lets you add a new engineer to the database.

*What is its purpose?*

Adding a new engineer to the application.

*How does it work?*

After you press the “Add new engineer” button with the left mouse button, a new form appears in a panel on the right side of the screen. In this form you can fill in all the information for the desired engineer and add the new engineer after this.

**8.1 First name:** the first name of an engineer.

**8.2 Last name:** the last name of an engineer.

**8.3 Email:** the email address of the engineer.

**8.4 Engineer ID:** the ID of the engineer.

**8.5 Phone number:** the phone number of the engineer.

**8.6 Spoken languages:** the spoken languages of the engineer.

**8.7 Address:** the country, city, postal code, street name and drop point of the engineer.

**8.8 Car:** the type, license plate and colour of the engineer’s car.

**8.9 VCA:** the code of the safety certificate and the date on which the engineer got the certificate.

**8.10 Save:** saves all the options noted in **8.1 till 8.9** to the engineer.

**9. Input ‘Note’**

*What is it?*

A form which lets you add or edit the engineers current note.

*What is its purpose?*

To add or edit the engineers current note.

*How does it work?*

After you press the Note button **(see 4)** the form opens on a panel on the right side of the page. In this form you can fill in all the details that are needed to create or edit the note

**9.1 Delete note:** Deletes the current note

**9.2 Current from:** Start date from current note

**9.3 Current till:** End date of current note

**9.4 Current note:** The note which is currently active

**9.5 New note:** Add a new note to the engineer

**9.6 New date from:** The start date of the new note

**9.7 New date till:** The end date of the new note

**9.8 New note info:** The information about the new note

**9.9** **Save:** Saves the new note **(9.5 till 9.8)**

**10. Input ‘Skills’**

*What is it?*

A form / field which lets you add or remove a skill and its level on an engineer.

*What is its purpose?*

Adding or removing skills and its level to an existing engineer.

*How does it work?*

After you press the ‘Skills’ button with the left mouse button **(see 5)** a new form opens in a panel on the right side of the page. In this panel you can add new skills to the engineer. It’s also possible to remove skills from the engineer and to edit the engineers current level on a skill.

**10.1 New skill:** You can fill in the new skill you want to add in this form. There will be a search bar to search for a skill, and a dropdown menu which lets you select the skill from this menu. You can also add the engineers current level on this skill.

**10.2 Remove skill / Edit skill:** You can press the arrow buttons next to the skill to edit the engineers current level on this skill. It’s also possible to remove the skill by pressing the small red cross next to the skill.

**10.3 Save:** Save the information you filled in in the fields in **10.1 and 10.2**.

**11. Input ‘Edit Engineer’**

*What is it?*

A form to edit an engineer.

*What is its purpose?*

Editing an existing engineer.

*How does it work?*

After you press the ‘edit’ button **(see 6)** a form opens in a panel on the right side of the page. All the current information of the engineer will be noted here and you can edit the details you want to edit. Afterwards you can press save to save your changes to the database.

**11.1 First name:** the first name of an engineer.

**11.2 Last name:** the last name of an engineer.

**11.3 Email:** the email address of the engineer.

**11.4 Engineer ID:** the ID of the engineer.

**11.5 Phone number:** the phone number of the engineer

**11.6 Spoken languages:** the spoken languages of the engineer

**11.7 Address:** the country, city, postal code, street name and drop point of the engineer.

**11.8 Car:** the type, license plate and colour of the engineer’s car

**11.9 VCA:** the code of the safety certificate and the date on which the engineer got the certificate.

**11.10 Is active:** a checkbox to check if the engineer is active or not. If the engineer is not active he won’t be found if you search for him.

**11.11 Save:** saves all the information noted in **11.1 till 11.10** in the database.

**Products page**

**1. Navigation**

*What is it?*

A button which links to a different page and where the current page is highlighted.

*What is its purpose?*

Navigating a user to a different page in the backend of the application.

*How does it work?*

You press on the desired page you would like to visit with the left mouse button. After you click it the application will take you to this page.

**2. Search**

*What is it?*

An input / search field which lets you search for a machine either by typing its full name or part of the name.

*What is its purpose?*

Searching for a certain product / machine in the database.

*How does it work?*

By default all the products currently in the database will be listed. If you want to search for a machine press the search field and type in either the full name, or part of the name of the machine in the field. The listed machines will reload and look for the searched product. It’s possible to search for category, sub-category, product name or any of these combined.

**3. Add new product**

*What is it?*

A button on the right top side of the products page which you can click to add a new product.

*What is its purpose?*

Adding a new product (machine).

*How does it work?*

You press the ‘Add new product’ button with the left mouse button. Once you clicked it, it will open a new form in a panel on the right side of the page. In this input field you’ll find all the required fields to add a new product **(see 6)**.

**4. Show products and its details (machine)**

*What is it?*

By default all the products in the database will be listed on the products page. The listed products in the database can be clicked to show the details of the desired product.

*What is its purpose?*

Showing the details of a product in the database

*How does it work?*

Press on the name of a product in the listed items with the left mouse button to show its details and information in a panel on the right side of the screen.

**5. Edit**

*What is it?*

A button on the right side of the page (next to the product) which opens an edit form in a panel on the right side of the page.

*What is its purpose?*

Editing the desired product.

*How does it work?*

After you searched for a product **(see 2)**  and you found the desired product. After you searched for the right product, press the edit button next to it to open a form in a panel on the right side of the page which shows all the current information of the product **(see 6)**.

**6. form ‘Add new product’**

*Wat is het?*

A form with different input fields for adding a new product.

*What is its purpose?*

Adding a new product to the database

*How does it work?*

After you press the ‘Add new product’ button **(see 3)** a form will open in a panel on the right side of the page. In this form you can fill in all the information needed to add the new product.

**6.1 Category:** in this input field you select the category of the product by pressing the dropdown menu with the left mouse button. This will open a dropdown menu which will list all the categories currently in the database. You select one of the categories by pressing them with left mouse button. These categories can be added and edited in the ‘Categories’ page **(see 1)**. **This field is required!**

**6.2** **Subcategory:** in this input field you select the subcategory of the product by pressing the dropdown menu with the left mouse button. All the subcategories of the selected category in **6.1** will be listed in the dropdown. You can select a subcategory by opening the dropdown menu and clicking the desired subcategory with the left mouse button. These categories and subcategories can be added and edited in the ‘Categories’ page **(see 1)**. **This field is required!**

**6.3 (product)Name:** in this input field you can enter the name of the product you want to add. Take note that these product names should not contain the name of the category and / or the subcategory! Make sure the product doesn’t already exist in the database since its name has to be unique. **This field is required!**

**6.4 (product) photo:** you can add a photo to the new product by pressing the squared area in the top of the panel. You can select an image from the computer which you’d like to add to the product. This image will then be written to the database.

**6.5 Add engineers:** in this part you can add engineers who are trained for the new product, with their desired skill level.This field works as a search area where you can search for engineers which are currently in the database. You can type either part of the engineers name or its full name. After you select the desired engineer you can edit its skill level by pressing either the up or down arrow icon next to the name. After this you can add the engineer by pressing the green checkmark next to the engineers name. The engineer is now added to the new product. *(note for programming: the list of engineers that should be added to the product, has to be saved in an array first, because the product does not yet exist at that moment)*

**6.6 Save:** save the product with the information filled in in **6.1 till 6.5**. The product will be added to the database after you press the save button and can be found or edited from the products list.

**7. form ‘Edit product’**

*What is it?*

A form which lets you edit a products current information.

*What is its purpose?*

Editing a product in the database.

*How does it work?*

After you press the ‘Edit’ button with the left mouse button **(see 5)** the ‘Edit product’ form will open in a panel on the right side of the page. In this form you can fill in all the information needed to edit the existing product in the database.

**7.1 Category:** in this input field you select the category of the product by pressing the dropdown menu with the left mouse button. This will open a dropdown menu which will list all the categories currently in the database. You select one of the categories by pressing them with left mouse button. These categories can be added and edited in the ‘Categories’ page **(see 1)**. **This field is required!**

**7.2** **Subcategory:** in this input field you select the subcategory of the product by pressing the dropdown menu with the left mouse button. All the subcategories of the selected category in **6.1** will be listed in the dropdown. You can select a subcategory by opening the dropdown menu and clicking the desired subcategory with the left mouse button. These categories and subcategories can be added and edited in the ‘Categories’ page **(see 1)**. **This field is required!**

**7.3 (product)Name:** in this input field you can enter the name of the product you want to add. Take note that these product names should not contain the name of the category and / or the subcategory! Make sure the product doesn’t already exist in the database since its name has to be unique. **This field is required!**

**7.4 (product) photo:** you can add a new photo to the existing product by pressing the squared area in the top of the panel. You can select an image from the computer which you’d like to add to the product. This image will then be written to the database.

**7.5 Add engineers:** in this part you can add engineers who are trained for the new product, with their desired skill level.This field works as a search area where you can search for engineers which are currently in the database. You can type either part of the engineers name or its full name. After you select the desired engineer you can edit its skill level by pressing either the up or down arrow icon next to the name. After this you can add the engineer by pressing the green checkmark next to the engineers name. The engineer is now added to the new product.

**7.6 Edit / remove engineer:** below the ‘Add engineers’ field you can edit the skill levels of the engineers who are currently trained for the product. It’s also possible to remove an engineer by pressing the red cross next to the name of an engineer.

**7.7 Is active?:** a checkbox to check if the product is active or not. If the product is not active it won’t be found if you search for it.

**7.8 Save:** save the existing product with the new information filled in in **7.1 till 7.7**. The product will be replaced in the database with the old product after you press the save button and can be found or edited from the products list.

**Categories**

**1. Navigation**

*What is it?*

A button which links to a different page and where the current page is highlighted.

*What is its purpose?*

Navigating a user to a different page in the backend of the application.

*How does it work?*

You press on the desired page you would like to visit with the left mouse button. After you click it the application will take you to this page.

**2. Search**

*What is it?*

An input field which lets you search for a category in the database.

*What is its purpose?*

Searching for a category in the database.

*How does it work?*

You press the input field / search bar with the left mouse button. After you press it you can fill in either the full name or part of the name of a category and it will automatically list the categories matching with the input. By default all the categories currently in the database will be listed.

**3. Add new category**

*What is it?*

A button which lets you add a new category.

*What is its purpose?*

Adding a new category to the database.

*How does it work?*

You press the ‘Add new category’ button in the top right with the left mouse button. After you press the button a new form will be opened in a panel on the right side of the screen **(see 6)**.

**4. Add/Remove subcategory**

*What is it?*

A button which lets you add a new subcategory to the corresponding category.

*What is its purpose?*

Adding or removing a subcategory on the selected category.

*How does it work?*

You press the ‘Add / Remove subcategory’ button next to the desired category with the left mouse button. After you press this a new form will open in a panel on the right side of the screen **(see 7)**.

**5. Current subcategories**

*Wat is het?*

A button which shows all the current subcategories of the category.

*What is its purpose?*

Showing the current subcategories of the desired category.

*How does it work?*

You press the name of one listed categories with the left mouse button. After this the category’s subcategories will be listed below its name in the listed categories.

**6. form ‘Add new category’**

*What is it?*

A form which lets you add a new category.

*What is its purpose?*

Adding a new category to the database.

*How does it work?*

After you press the ‘Add new category’ button **(see 3)** on the top right of the screen, this form will be opened in a panel on the right side of the screen.

**6.1 Category name:** the name of the category which you’d like to add.

**6.2 Add subcategory:** add a subcategory to the new category.

**6.3 Save:** save the information which you filled in in **6.1 and 6.2**.

**7. form ‘Add / remove subcategory’**

*What is it?*

A form which lets you edit a category which is currently in the database.

*What is its purpose?*

Editing the information of a category currently in the database or to add or remove sub categories.

*How does it work?*

After you press ‘Add / remove subcategory’ **(see 3)** a form will be opened in a panel on the right side of the screen.

**7.1 Category name:** the name of the category.

**7.2 Add subcategory:** add a new subcategory to the category by typing its name and pressing the green checkmark next to the input field.

**7.3 Remove subcategory:** Remove a subcategory by pressing the red cross next to the name of a subcategory.

**7.4 Save:** Save all the information filled in in **7.1 till 7.3** to the database.

**Users**

**1. Navigation**

*What is it?*

A button which links to a different page and where the current page is highlighted.

*What is its purpose?*

Navigating a user to a different page in the backend of the application.

*How does it work?*

You press on the desired page you would like to visit with the left mouse button. After you click it the application will take you to this page.

**2. Search**

*What is it?*

An input field which lets you search for a user in the database.

*What is its purpose?*

Searching for a user in the database.

*How does it work?*

You press the input field / search bar with the left mouse button. After you press it you can fill in either the full name or part of the name of a user and it will automatically list the users matching with the input. By default all the user currently in the database will be listed.

**3. Add new User**

*What is it?*

A button which lets you add a new user to the database.

*What is its purpose?*

Adding a new user.

*How does it work?*

You press the ‘Add new user’ button in the top right of the screen with the left mouse button. After you press the button a form will open in a panel on the right side of the screen. **(see 5)**

**4. Edit user**

*What is it?*

A button next to the name of a user which lets you edit the desired user.

*What is its purpose?*

Editing a user.

*How does it work?*

You press the ‘Edit’ button next to the name of the listed user with the left mouse button. After this a form will open in a panel on the right side of the screen. In this form you can edit the information of the user. **(see 6)**

**5. form ‘Add new User’**

*What is it?*

A form with all the required information to add a new user.

*What is its purpose?*

Adding a new user to the database.

*How does it work?*

After you press the ‘Add new user’ button this form will open in a panel on the right side of the screen. **(see 3)**

* 1. **E-mail:** this is the e-mail address of the user. The user will use a combination of this e-mail address and the password to log in to the application.
  2. **Password:** this is the password of the new user. The user will use a combination of the e-mail address and this password to log in to the application.
  3. **Group:** In this field you have to select the new users permissions with a radio button. One of the options has to be selected. The options are:
     1. **Admin:** a user with admin permissions can edit / add Engineers, Products, Skills, Categories and Users.
     2. **Planner:** a user with these permissions can only edit engineers.
     3. **User:** a regular user has read only permissions on everything.
  4. **Save:** This will save the new user to the database with the information from **5.1 till 5.3**.

**6. Invulformulier Edit user**