

SupplyAlytics Application

User Documentation

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SupplyAlytics is a small tool to compare suppliers based on their delivery behavior. It provides two graphs for illustrating the reliability of the company's suppliers, each with a slightly different focus concerning the displayed data. It also comes with a user management system that allows multiple users to use the application.

1. Registration and Login

If you start the program first time, the registration screen will be shown. You have to register a admin user. Therefore some fields must be filled:

- Forename: The forname of the admin
- Surname: The surname of the admin
- Your Mail: A valid mail address
- Username: The username that will be used for login
- Password: The password that will be used for login

After the registration the admin user is logged in.

NoKloo'boutIT
SupplyAlytics

EN DE

Welcome

Welcome to the one minute SupplyAlytics registration! Just fill the Information below and you'll be on your way to using the most powerful tool for supplier analytics.

Please provide the following information. You can always change these settings later.

Forename	<input type="text"/>	Username	<input type="text"/>
Surname	<input type="text"/>	Password, twice	<input type="text"/>
Your Mail	<input type="text"/>	A password will be automatically generated for you if you leave this blank.	<input type="text"/>

Register

If you start the program not for the first time, the login screen will be shown. You are able to login as a registered user. How additionally users can be added will be explained at a later point.

EN DE

NoKloo'boutIT SupplyAlytics

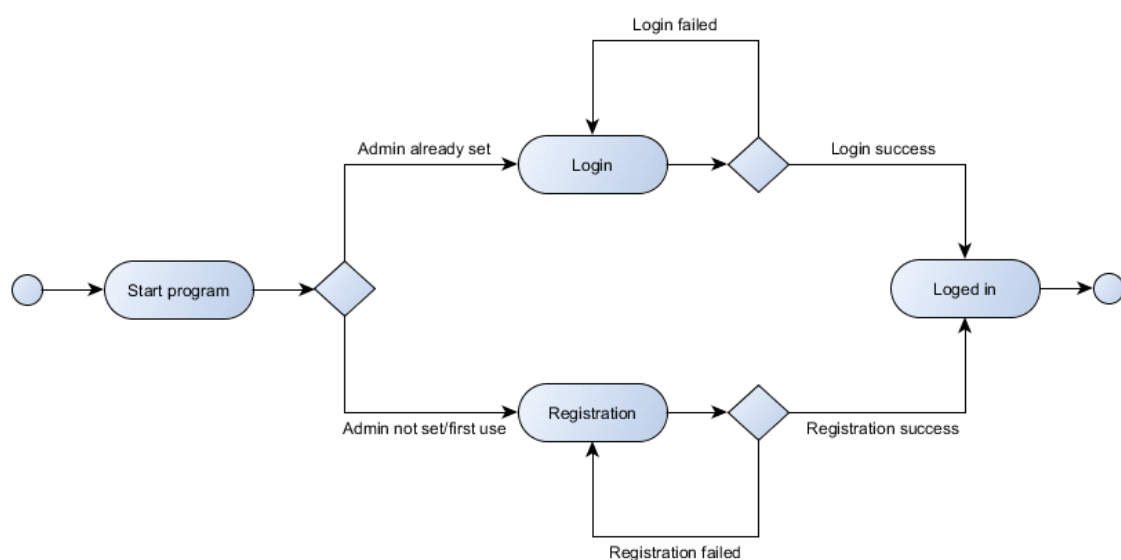
Welcome

Welcome to the SupplyAlytics application. Please provide the following information to sign in and you'll be on your way to using the most powerful tool for supplier analytics.

Login:

Password

OK



2. Compare Suppliers

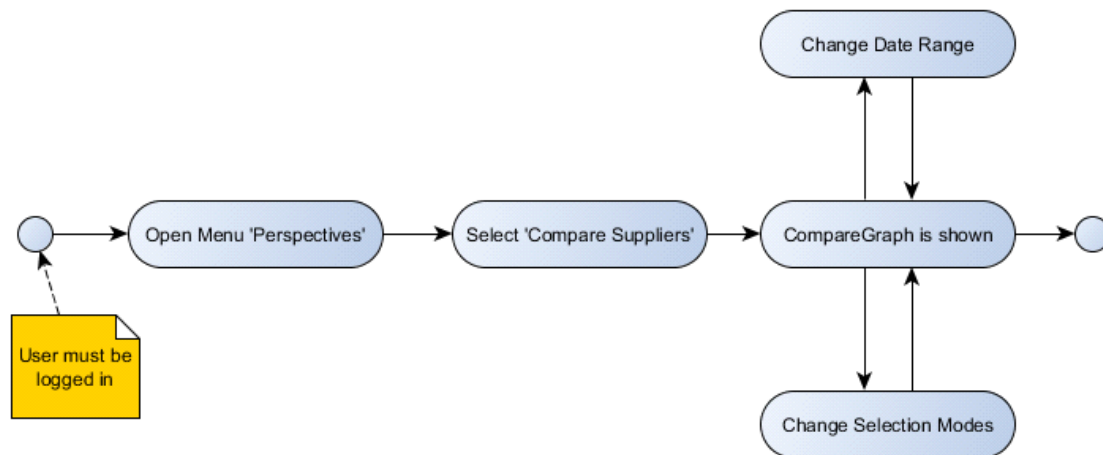
The program is able to compare suppliers based on their scores. This functionality is placed in the menu 'Perspectives' under the item 'Compare Suppliers'.



In this graph, the reliability of a supplier based on their deliveries will be divided into five categories:

- much too early: $x < -5$
- too early: $-5 \leq x < -1$
- on time: $-1 \leq x \leq 0$
- too late: $0 < x \leq 5$
- much too late: $x > 5$

Which suppliers will be compared can be chosen in four Comboboxes in the 'Selection Mode'-area. Additionally the deliveries can be filtered based on a date range. The date range could be chosen with two date picker for start and end date. In default both date picker are empty what means that no date range is selected and nothing is filtered out.



3. Suppliers Average

The program is able to list suppliers based on their scores. This functionality is placed in the menu 'Perspectives' under the item 'Suppliers Average'.



In this graph, the reliability of a suppliers is shown based on their supplier score which is calculated from the following grading system: (The numbers in the intervals represent the days that the delivery date differs from the promised date)

- [-1;0] --> 100%
- [+1;+3] --> 90%
- [+4;+7] --> 80%
- [+8;+14] --> 60%
- [+15;+28] --> 40%
- [+28;+inf.] --> 0%
- [-2;-2] --> 90%
- [-3;-3] --> 80%
- [-7;-4] --> 60%
- [-10;-8] --> 40%
- [-inf.;-11] --> 100%

Examples:

[+1;+3] means : The supplier delivers 1 day up to 3 days too late. So he gets the score of 90% for this delivery.

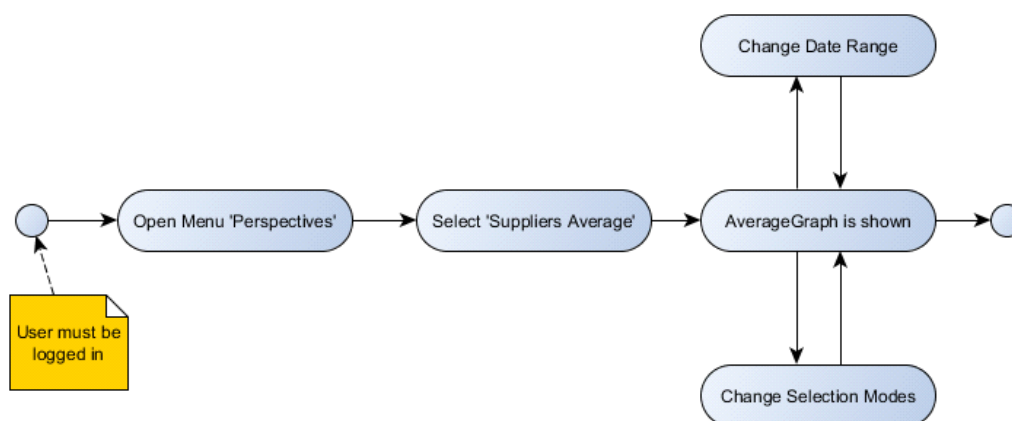
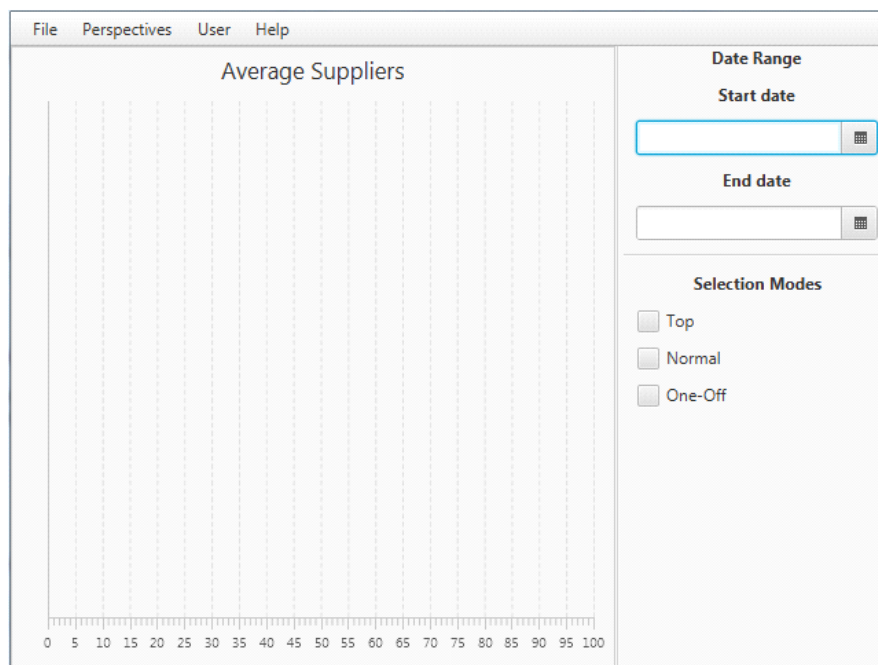
[+28;+inf.] means : The supplier delivers 28 days or more too late. So he gets the score of 0% for this delivery.

This scores could be changed. How to do this is explained on chapter 4 ,**Change score thresholds**‘.

The suppliers are divided into three classifications:

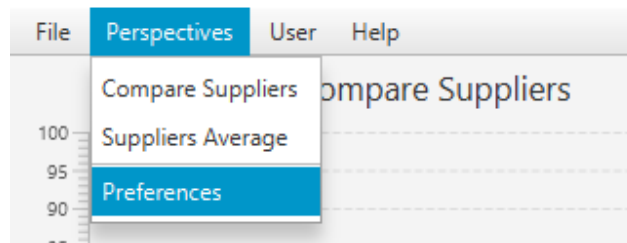
- Top: > 20 orders
- Normal: $2 < x < 20$ orders
- One-Off: 1 or 2 orders

Which suppliers the graph will show, can be chosen with the checkboxes in the 'Selection Modes'-area. Additionally the deliveries can be filtered based on a date range. The date range could be chosen with two date picker for start and end date. In default both date picker are empty what means that no date range is selected and nothing is filtered out.



4. Change score thresholds

The admin user is enabled to change score thresholds. This functionality is placed in the menu 'Perspectives' under the item 'Preferences'. Only an admin user can call this page.



EarlyMin

Minimum number of days (included) a delivery was delivered too early to get this specified score value.

EarlyMax

Maximum number of days (included) a delivery was delivered too early to get this specified score value.

LateMin

Minimum number of days (included) a delivery was delivered too late to get this specified score value.

LateMax

Maximum number of days (included) a delivery was delivered too late to get this specified score value.

Score value

Value in percent a delivery is scored when it was delivered in one of these two time delay ranges.

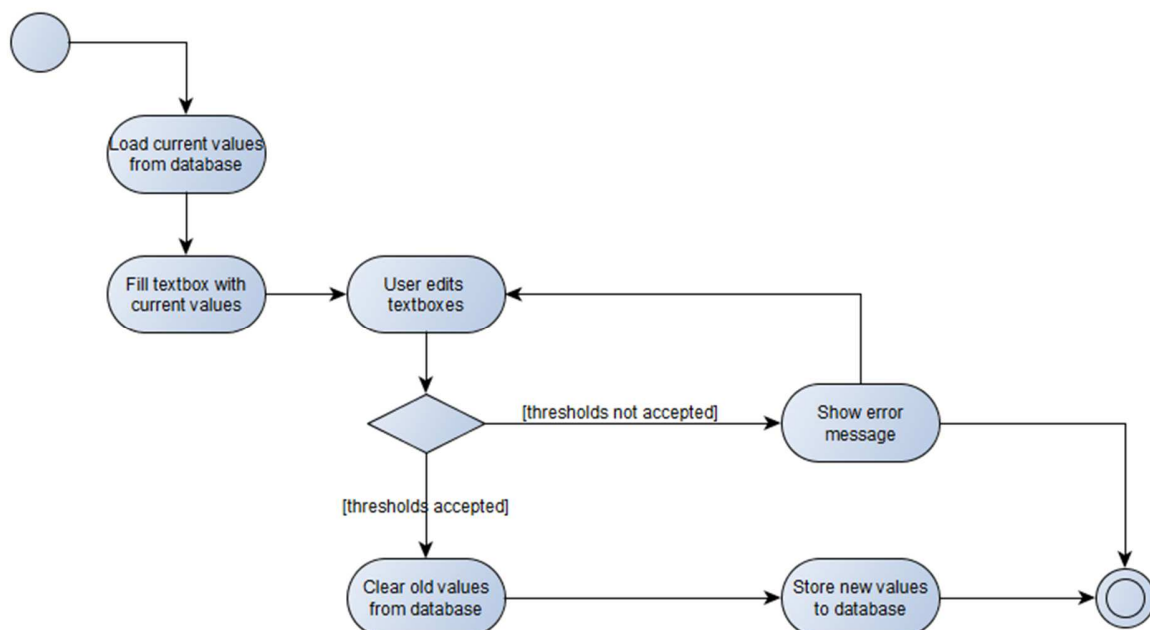
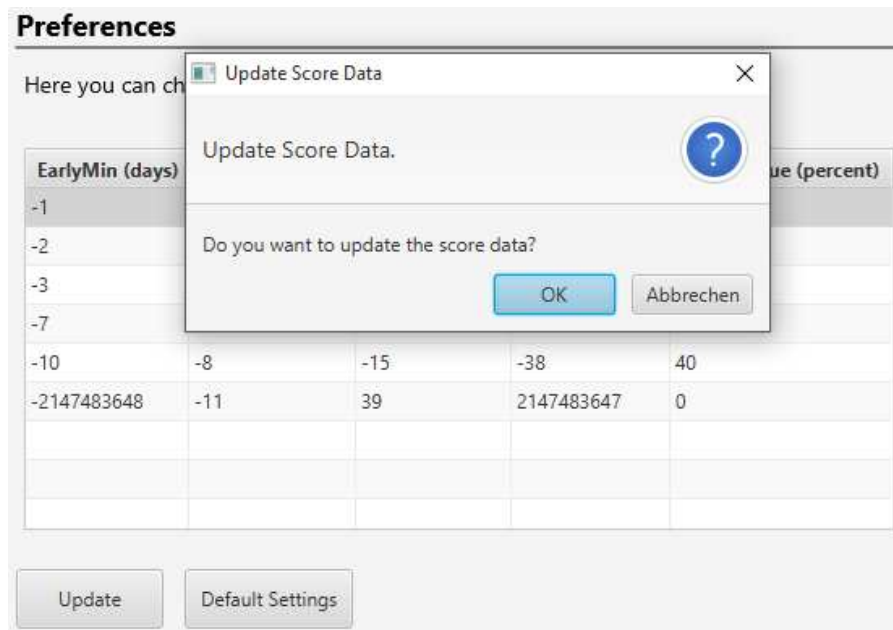
Preferences

Here you can change the preferences for the score calculation!

EarlyMin (days)	EarlyMax (days)	LateMin (days)	LateMax (days)	Score Value (percent)
<input type="text" value="-1"/>	-1	0	0	100
-2	-2	1	3	90
-3	-3	4	7	80
-7	-4	8	14	60
-10	-8	-15	-38	40
-2147483648	-11	39	2147483647	0

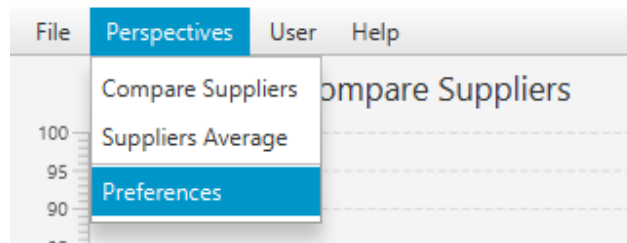
How to change values:

1. Double-click on a value
2. Enter new value
3. Click button "Update" and confirm



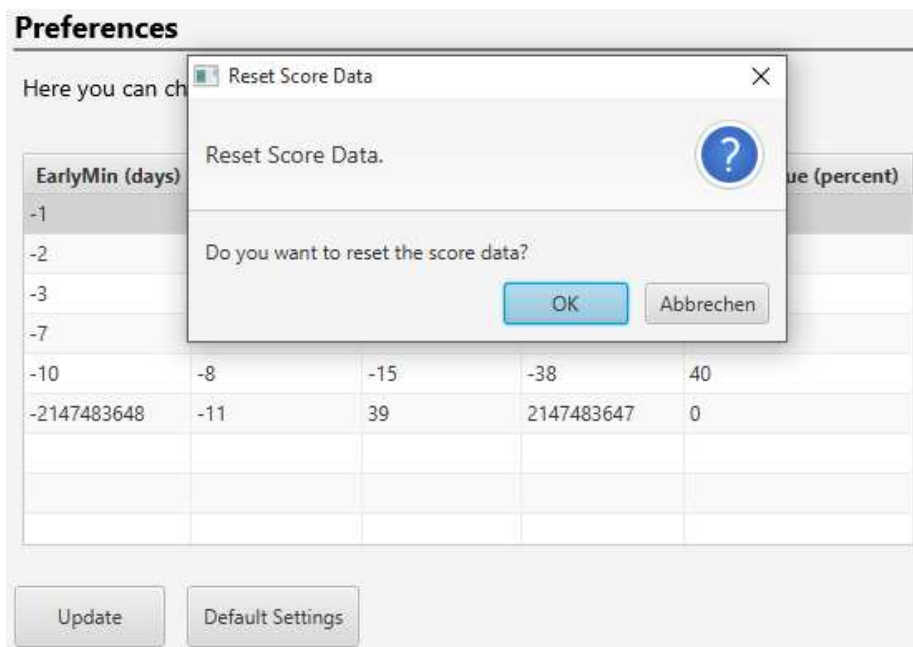
5. Reset score thresholds

The admin user is enabled to reset score thresholds. This functionality is placed in the menu 'Perspectives' under the item 'Preferences'. Only an admin user can call this page.

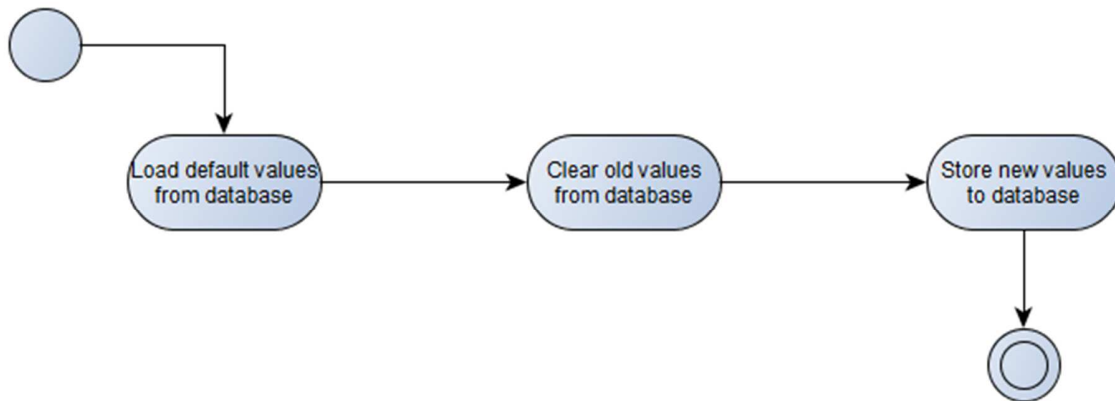


Default thresholds:

EarlyMin	EarlyMax	LateMin	LateMax	Score Value
-1	-1	0	0	100
-2	-2	1	3	90
-3	-3	4	7	80
-7	-4	8	14	60
-10	-8	15	38	40
-2147483648	-11	39	2147483647	0



Click button "Default settings" and confirm



1. Load separately saved default threshold values from SQLite Database.
2. The old saved threshold values are removed from the SQLite database.
3. The default data are stored to the database.

6. General Application Navigation

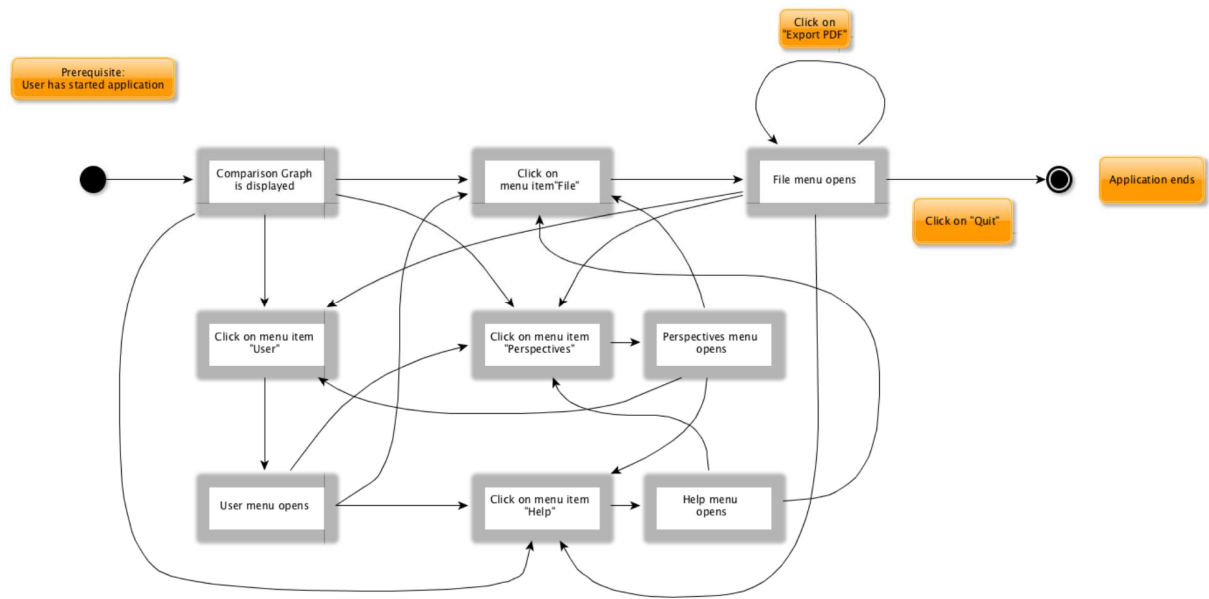
The application's navigation bar is kept neat and simple. Under the menu item "File" are general functions to be found such as "Logout" and "PDF Export" (a future feature that is not implemented in the beta product).

After clicking on the menu item "Perspectives" you are able to select the two graph views to visualize and analyze suppliers' delivery behavior. "Perspectives" --> "Preferences" allows you to set the threshold values for regarding a delivery as "very early", "early", "late" and so on.

"User" provides you with additional features to manage, delete and add users (if you are the admin user) or at least manage your own data. You can also log out of the application.

"Help" is (as of current beta testing state) void of functionality. In the end product it will at least display further information on the developer team.

Here is a general chart of the application menu.



7. User Management Features

SupplyAlytics has implemented several features to enable creation and management of the application's users. The available functionality differs from admin user to normal user.

On the first initial application start, no application users are registered and thus existant yet and a former

The screenshot shows a registration window titled "NoKloo'boutIT - SupplyAlytics". At the top right, there are language selection buttons for "EN" and "DE". The main heading is "NoKloo'boutIT SupplyAlytics". Below this is a "Welcome" section with a horizontal line. The text reads: "Welcome to the one minute SupplyAlytics registration! Just fill the Information below and you'll be on your way to using the most powerful tool for supplier analytics." Another horizontal line follows. Below that, it says: "Please provide the following information. You can always change these settings later." The registration form consists of several input fields: "Forename", "Surname", "Your Mail", "Username", and "Password, twice". The "Password, twice" field has a note: "A password will be automatically generated for you if you leave this blank." At the bottom left of the form is a "Register" button.

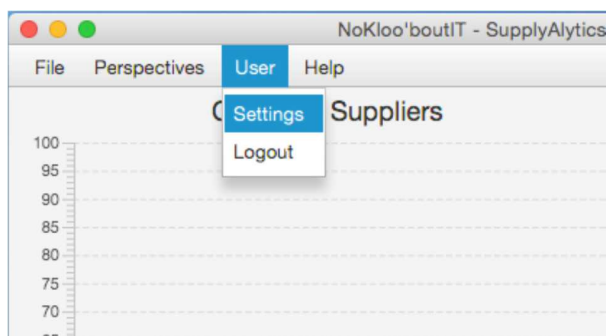
Important notes:

As soon as an admin user is registered, there is no possibility for additional users to register themselves – the creation of a new user is a feature provided only for admin users to limit the access to the production data.

Please take note that during the beta stage of our application, it is only possible for further users to log into the application on the admin's machine.

8. Change Own Userdata

It is always possible to change your own user data, even if you are not the admin user. If you wish to do so, click on the menu bar item "User" and choose "Settings":



Your user information includes your forename, surname, email address, the chosen username and your password. To save your new settings, click the "Update" button at the bottom.

NoKloo'boutIT - SupplyAlytics

File Perspectives User Help

User Settings

Here you can change your account data!

Forename:

Surname:

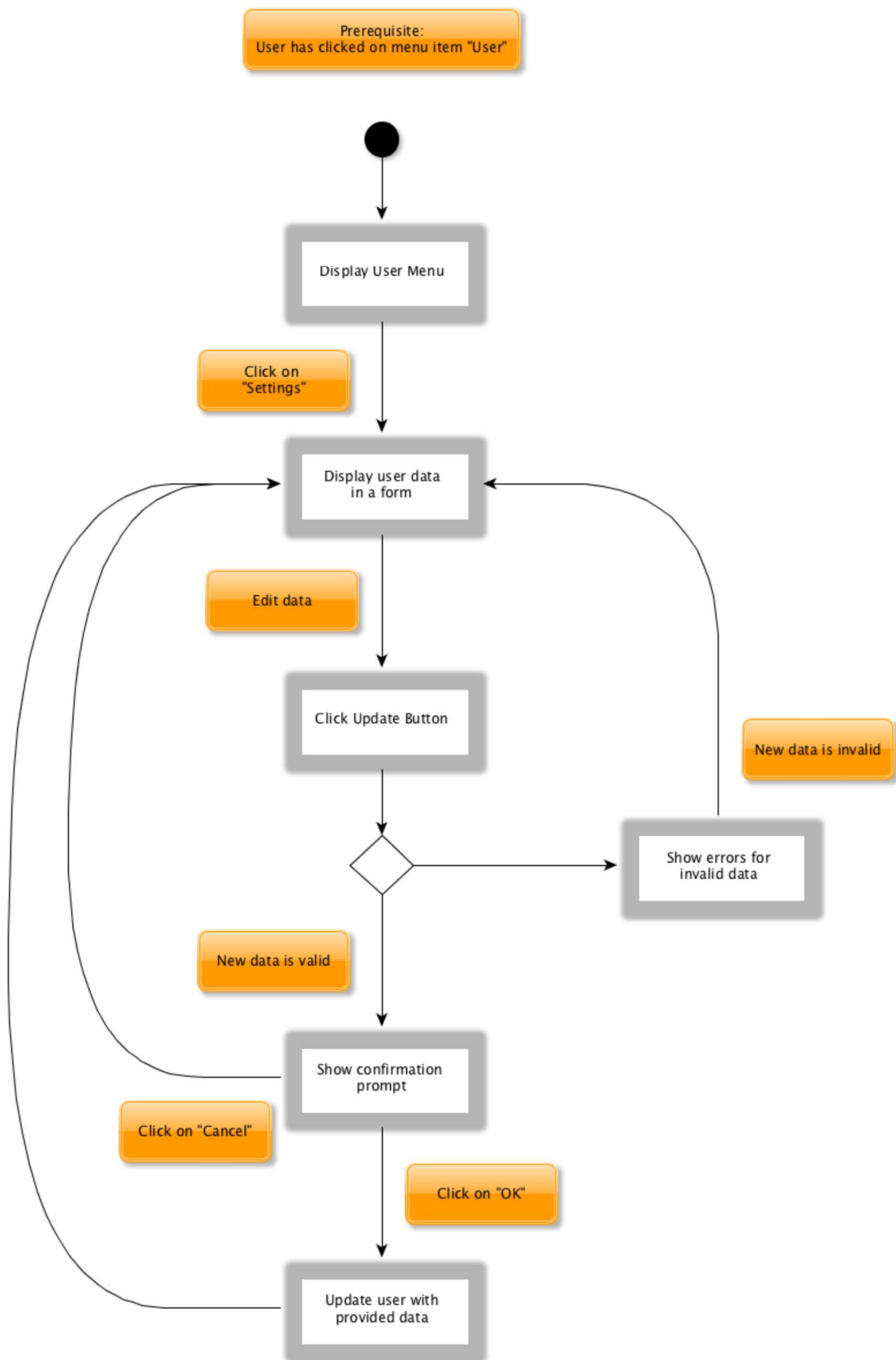
E-Mail:

Username:

New Password:

Please confirm the new password

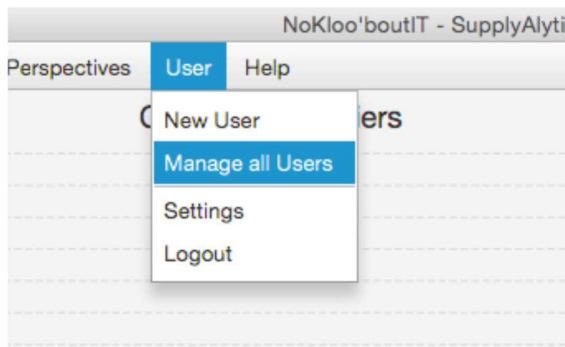
The following activity chart illustrates the single steps to change your own user data in more detail:



9. Admin Feature: Change Data of Other Users

As the admin user you are privileged to manage other users' data (and change their passwords once they forgot it). With great powers comes great responsibility, though.

The functionality is accessible via menu item "User" --> "Manage all Users":



Here you can select the user whose data you want to change. Make sure you click the "Update" button after changing data.

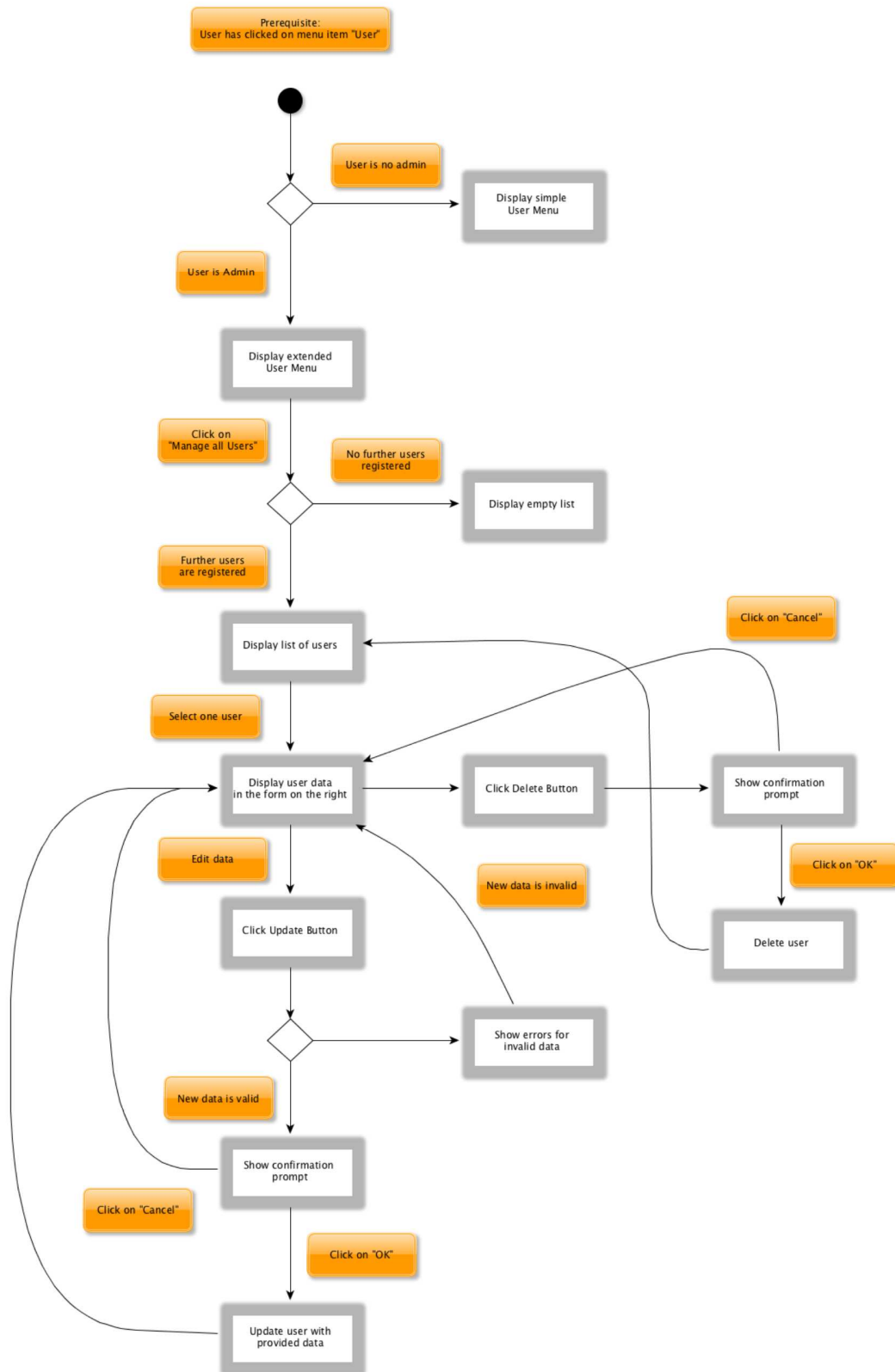
A screenshot of the 'Manage All Users' page. The title bar is 'NoKloo'boutIT - SupplyAlytics' and the menu bar shows 'File', 'Perspectives', 'User', and 'Help'. The page title is 'Manage All Users' with a subtitle 'Here you can manage all users!'. On the left, there is a table with one row highlighted in blue, containing the text 'normal user (dummy)'. To the right of the table are form fields for 'Forename:' (normal), 'Surname:' (user), 'E-Mail:' (normal.user@hm.edu), and 'Username:' (dummy). Below these are two password fields labeled 'New Password:' and 'Please confirm the new password'. At the bottom right are two buttons: 'Update' and 'Delete'.

Important note:

It is also possible to delete a user via "Delete" button.

Be cautious with that one. You will get a prompt asking if you really want to delete the respective user if you happen to click on this button accidentally.

To better understand the multiple steps that lead up to a change of user data, have a look at the following activity diagram:



10. Admin Feature: Create New User

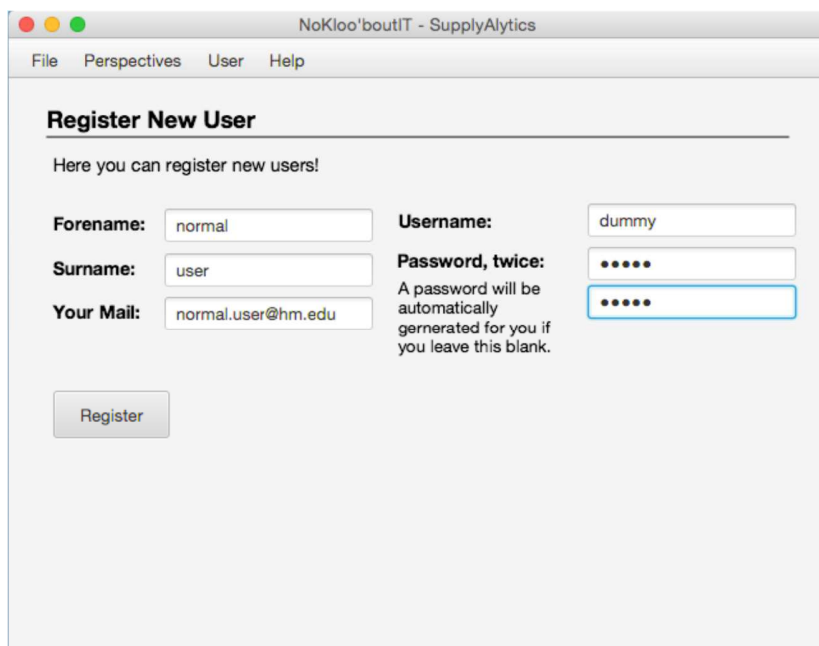
Another admin's responsibility is the creation of additional users that wish to use the SupplyAlytics application.

As mentioned earlier, it is not possible for new users to register themselves, so in case you have reasons to use the app, but do not have an account yet, contact your system administrator concerning the creation of an account.

This feature is accessible via menu item "Users" --> "New User". You are then provided with a form where you can enter the new user's data. Upon clicking the "Register" Button you create the new user.

Important Note:

As mentioned above, during beta testing phase it is only possible for new users to use the app on the admin's machine.



The screenshot shows a web application window titled "NoKloo'boutIT - SupplyAlytics". The menu bar includes "File", "Perspectives", "User", and "Help". The main content area is titled "Register New User" and contains the text "Here you can register new users!". The form has the following fields and labels:

- Forename:** Input field with "normal" entered.
- Surname:** Input field with "user" entered.
- Your Mail:** Input field with "normal.user@hm.edu" entered.
- Username:** Input field with "dummy" entered.
- Password, twice:** Two input fields, both containing "*****". A note below the fields states: "A password will be automatically generated for you if you leave this blank."

A "Register" button is located at the bottom left of the form.

This chart illustrates the general activity flow during the creation of a new user:

