Production Registration System 2.0
B.Sc. Computer Science
User Manual
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Introduction

The project “Production Registration System 2.0” is a B.Sc. final project in Computer Science that was done at Reykjavik University during the spring semester of 2017. It is a group project carried out in cooperation with Ölgerðin Egill Skallagrimsson. Production Registration System 2.0 allows production managers working at Ölgerðin to have an overview of productions, products and app users who work in the production halls and fill out the production reports that managers have an overview of. This user manual is written for Ölgerðin’s managers to guide them through the system.
Login and Sign up

When using the system for the first time, the user has to first create a password. A user must be created beforehand, and only users whose email is already registered in the system are able to create a password. Creating a password (or signing up) is done by pressing the “New User” button and entering an email address, along with choosing a password, verifying it and pressing “Submit New Password”. The next time the user logs in, he/she can do so by entering the email and the chosen password and pressing “Login”. When the user is logged in, he/she is navigated to the Productions view, along with four main tabs: “Productions”, “Statistics”, “Products” and “Administration”. Each tab will be described in more detail in the following sections of the User Manual.
**Productions**

Inside the Productions tab, the user can see a table containing a list of productions for each hall. Currently, the Production Registration System 2.0 is only presented with information for the PET hall. The table can be sorted by each column, by clicking the column name. Sorting the table by multiple columns at a time is also possible by holding down the shift key and clicking the column names. To search for a specific production, the user can write inside the search box and the table will be filtered automatically. The system allows its users to see Production Reports for each production. These reports are accessible by clicking the “Document” icon-button on the right side of the table.
Production Report

Production Report presents the users with the main information about the specific production along with more detailed information that is split down into tabs.
Statistics

The Statistics tab provides the user with an opportunity to create graphs comparing how much of a certain product was produced over each month in a certain year. There are two drop down lists containing products and years respectively. To create a graph, the user can select any product and any year they would like to examine and the graph will be created automatically.
Products

Inside the Products tab, the user can see a table containing a list of all produced products. The table can be sorted, by clicking the column name. Sorting the table by multiple columns at a time is also possible by holding down the shift key and clicking the column names.

To search for a specific product, the user can write inside the search box and the table will be filtered automatically by the product’s number, name or quantity. Here, the user can add, edit and delete a product.

To add a product, the user needs to fill out the empty boxes below the column names and click the “Save” icon-button on the right side of the table. The user is required to fill out “Product Number”, “Product Name”, “Category”, “Main Category”, “Packaging”, “Cap Type”, “Litres”, “Package Size” and “Hall”, otherwise the product will not be created successfully. The addition process is built in such way that the user has an overview of the existing products right below while filling out the new product, so that he/she can easily find information he may need by looking at other products in the table.

To edit a product, the user simply needs to edit the value they wish to change inside the corresponding column, press the “Save” icon-button and confirm the that the value should change in a dialog that pops up. To delete a product, the user needs to click the “Delete” icon-button and confirm the choice in a dialog that pops up.
Dialog that pops up:

Administration

Under the Administration tab, a user can access information about staff or change his/her password.
Staff

When choosing Staff from the dropdown list, the user can see the table containing a list of employees in the system. The table can be sorted, and to do so, the user can click each column’s name. Sorting the table by multiple columns at a time is also possible by holding down the shift key and clicking the column names. To search for a specific production, the user can write inside the search box and the table will be filtered automatically. The user can create a new app user by clicking the “Plus” icon-button located to the right of the search box. When the “Plus” icon-button is clicked, the user is navigated to a fill out form, where the user needs to provide all information about the new user and press “Submit”. The new user can then be found in the list of users.

The user is also able to view and edit the information about app users. This is done by clicking the “Edit” icon-button on the right side of the table, pressing “Submit” when done editing and confirming the choice in a dialog that pops up. The user can delete an app user by clicking the “Delete” icon-button and confirming the choice.
Creating a new user:

Change Password
Inside Change Password option the user writes his/her current password, creates a new password and presses “Submit”. Users can, however, not change their e-mail address since it is the username for the login.
Superuser

A Superuser can do everything a manager can do along with a few extra features. If the user is a Superuser, he/she is able to create both managers and app users along with creating a tablet for a specific hall. Only the Superuser can delete both managers and app users. The information about creating/editing/deleting a user can be found here along with information about changing a password. A Superuser can choose whether the new user is an app user or a manager.
Tables

When choosing Tablets from the dropdown list (in the “Administration” tab), the Superuser can see a table consisting of the list of tablets used in the production halls. The table can be sorted, and to do so, the user can click each column’s name. Sorting the table by multiple columns at a time is also possible by holding down the shift key and clicking the column names. To search for a specific tablet, the user can write inside the search box and the table will be filtered automatically. A new tablet can be created by clicking the “Plus” icon-button located to the right of the search box.

When the “Plus” icon-button is clicked, the Superuser is navigated to the fill out form for tablets, where he needs to provide the MAC address of the tablet, choose which hall it is going to be assigned and press “Submit”. The new tablet can then be found in the list of tablets.
Creating new tablet: