# Software Requirements Specification

Global Grant 4.0

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## 1. Introduction

This section gives a scope description and overview of everything included in this SRS document. Also, the purpose for this document is described and a list of abbreviations and definitions is provided.

# 1.1 Purpose

The purpose of this document is to give a detailed description of the requirements for the "Global Grant 4.0" (GG4) software. It will illustrate the purpose and complete declaration for the development of system. It will also explain system constraints, interface and interactions eventually with other external applications. This document is primarily intended to be a reference for developing the first version of the system for the development team.

# 1.2 Scope

The purpose of the system is a webportal Front-End that can be used as a platform for consulting of scholarships and funds.

The webportal is used by different types of users. See 2.3 User Characteristics

The main function of the webportal is the Fund's search function on the search-page where the users need to filter the results according to certain parameters

The portal also contains general information and tips on funds and fag questions

A contact form is also available and a connection to social networks, for the moment only facebook.

# 1.3 Definitions, acronyms and abbreviations

Term	Definition
User	
Admin / Administrator	
Library	
Web-portal	
Stakeholder	

Userxx	A kind of user that have access to the backend
Fund	
Scholarship	

# 1.4 References

No references for the moment

## 1.5 Overview

The remainder of this document includes XXX chapters and appendixes. The second one provides an overview of the system functionality. This chapter also introduces different types of stakeholders and their interaction with the system. Further, the chapter also mentions the system constraints and assumptions about the product.

The third chapter provides the requirements specification in detailed terms and a description of the different system interfaces. Different specification techniques are used in order to specify the requirements more precisely for different audiences.

The fourth chapter deals with the prioritization of the requirements. It includes a motivation for the chosen prioritization methods and discusses why other alternatives were not chosen.

The Appendixes in the end of the document include more information about the system

# 2. Overall description

# 2.1 Product Perspective

This system will consist of two parts: Front-End and Back-End. The Front-End will be used to find Funds and view information about them, search and access to a protected area by login while the Back-End will be used for managing the information about the funds, Users, Subscriptions, Website as a CMS and the system as a whole.

## 2.2 Product functions

With the Front-End, users will be able to search for funds. The result will be based on the parameters the user selects. There are several search parameters and it will be possible for the administrator of the system to manage the options for those parameters that have that.

The result of the search will be viewed in a search-panel in the form of a dynamic table.

## 2.3 User characteristics

There are several types of users that interact with the system: several users of the Front-End, and several administrators. Each of these types of users has different use of the system so each of them has their own requirements.

End user, who is looking for scholarships or funds for himself, this user can have his own user profile where he can save his funds as favorites, print and mail his funds

Administrator who enters and edits the funds in the administration part of the system.

Front-end administrator, who manages the website with help of CMS-system

Funds and scholarships administrator, who edits and updates the funds and scholarships

Economy staff who has access to subscriptions on Back-End

Library staff has access to their own profile where they edit contact data, ranges of their ip addresses etc...

Super administrator has access to the entire system

The system must have a user role system where each person who interacts with the portal, either back-end or front-end, has a specific role

# 2.4 Constraints

The Internet connection is a constraint for the application. Since the system fetches data from the database over the Internet, it is crucial that there is an Internet connection for the system to function.

Both the Front-End and Back-End will be constrained by the capacity of the database. Since the database is shared between both application it may be forced to queue incoming requests and therefore increase the time it takes to fetch data.

# 3. Specific requirements

This section contains all of the functional and quality requirements of the system. It gives a detailed description of the system and all its features.

# 3.1 External interface Requirements

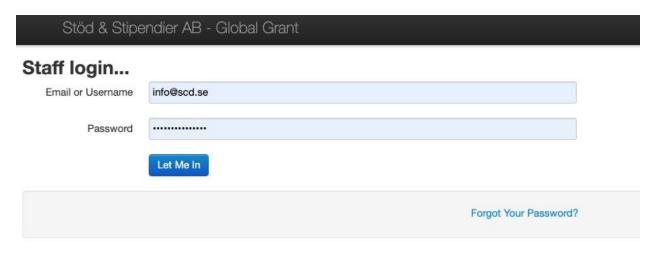
This section provides a detailed description of all inputs into and outputs from the system. It also gives a description of the software and communication interfaces and provides basic prototypes of the user interface.

#### 3.1.1 User interfaces

The images used in this document are from the old version of globalgrant.com and the purpose of this section is to show a basic prototype of the function and not the final result of the interface.

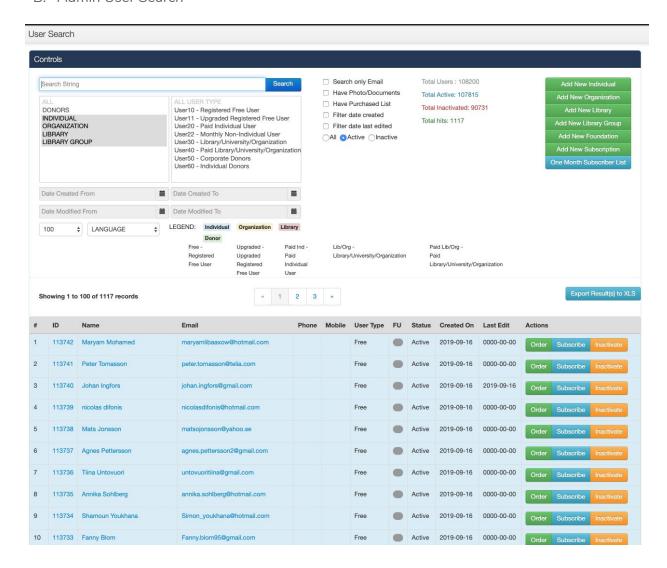
#### 3.1.1.1 Back-End (Administration)

#### A. Manage / Admin Login



Goal: Administration Login interface. Current url: <a href="http://test.globalgrant.com/newcode/public/login">http://test.globalgrant.com/newcode/public/login</a>

#### B. Admin User Search



Goal: Create a hole new User back-end administration with functions like search, filters, search by options etc...

#### To Do

- CRUD functions
- Determine Filters
- Determine Search functions
- Create a new Roles administration

#### C. Current roles

#### ALL USER TYPE

User10 - Registered Free User

User11 - Upgraded Registered Free User

User20 - Paid Individual User

User22 - Monthly Non-Individual User

User30 - Library/University/Organization

User40 - Paid Library/University/Organization

User50 - Corporate Donors

User60 - Individual Donors

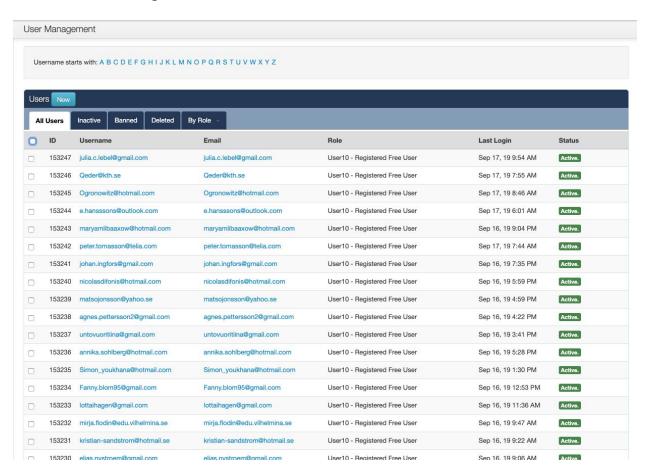
## D. Manage User Roles

		Roles allow you to define the abilities that a user can have.
	,	
Manage User Roles New	Permission	s Per Role
Account Type	# Users	Description
Administrator	5	Has full control over every aspect of the site.
Office Admin	1	The administrator of the staffs in an Office.
Staff	11	Staff user
User00 - Anonymous user	0	* should be encouraged to register as a user10(can view name and contact of some user50 and user60)
User0 - Library User	0	* Library paid for the subscription * IP-login * should be encouraged to register as a user10(can view name and contact of some user50 and user60)
User10 - Registered Free User	75908	* should be encouraged to linked to a user30 and enjoy the same functionality as a User0 (can view name and contact details of some user50 and user60)
User11 - Upgraded Registered Free User	2257	* same functionality as user20 have * this is the upgraded user10 but with no monthly payment
User20 - Paid Individual User	71	* individual person or a project not owned by a user22. (can view name and contact details of some user50 and user60)
User30 - Library/University/Organization	4239	* Have a ADMIN page (can view name and contact details of some user50 and user60)
User40 - Paid Library/University/Organization	407	* A library or university or association that provides access to their students or members. * Have a ADMIN page (can view name and contact details of som user50 and user60)
User50 - Corporate Donors	0	* A donor like a foundation, organization that donates money, volunteers, expertise, material, equipment, know-how, transport, housing, VIP-contacts, advice, assisting (can view name and contact details of some user10 and user20 and user22)
User60 - Individual Donors	0	* An individual donor that donates money, volunteers, expertise, material, equipment, know-how, transport, housing, VIP-contacts, advice, assisting(can view name and contact details of some user10 and user20 and user22)
Orders Staff	1	Staff can only access Orders, all types of users, and all donors
Subscritions Staff	0	Staff can only access Subscriptions, all types of users, and all donors

#### E. Users by List

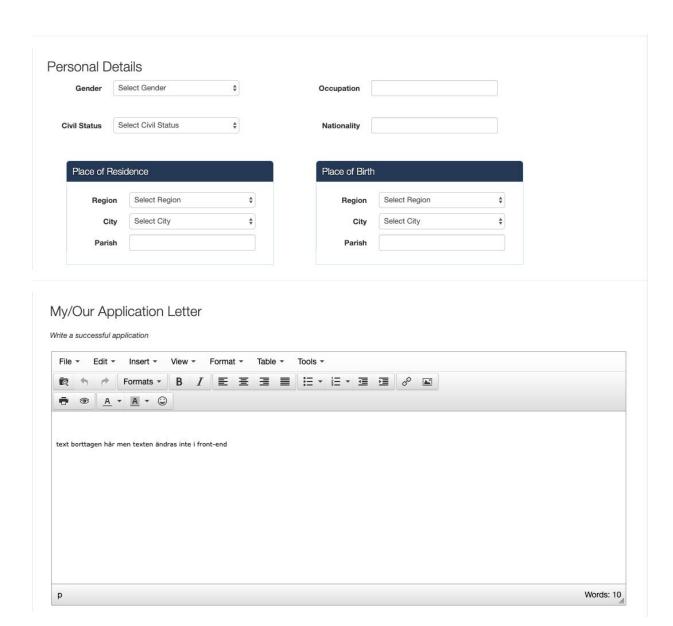
Active, inactive, banned, deleted, By Role.

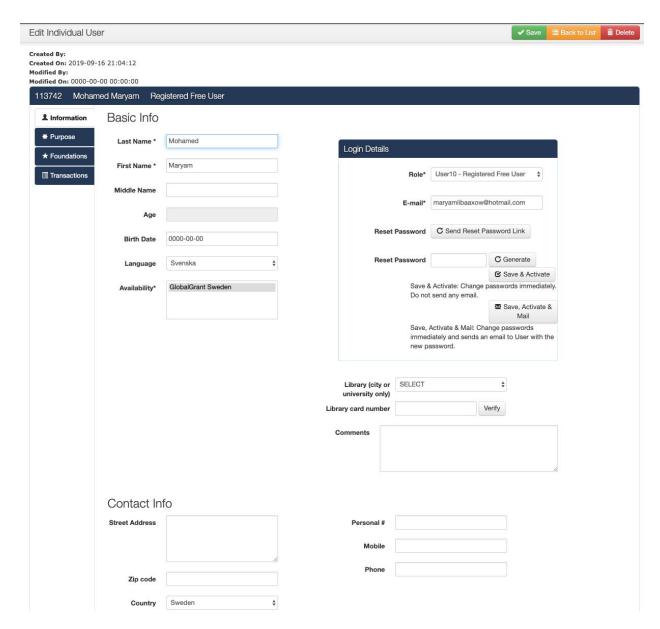
Functions: Sort, Change Status, Edit.



#### F. Edit Individual User

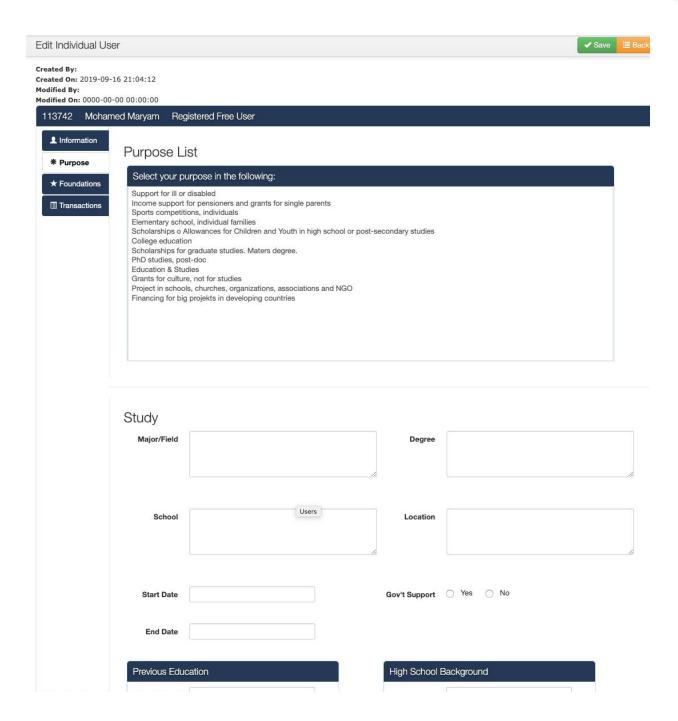
Functions and properties: Basic Information, Login Details, Role, Contact Info, personal Details like Gender, Occupation, Civil status, Nationality, Place of Residence, Place of Birth. Application Letter, documents and Photos.



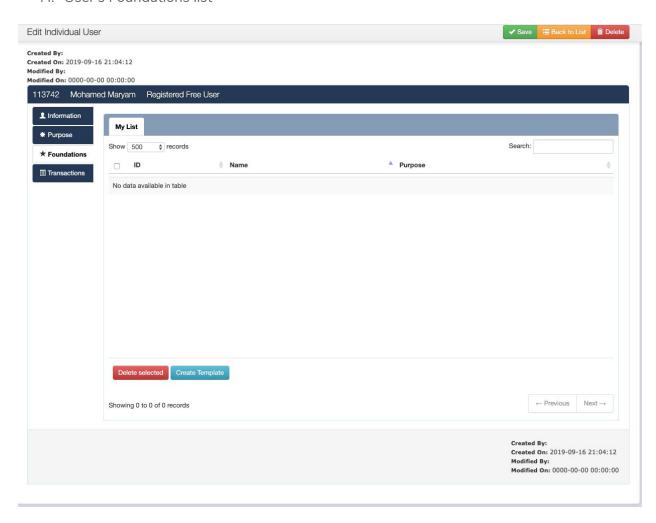


#### G. Details in connection to the User's needs

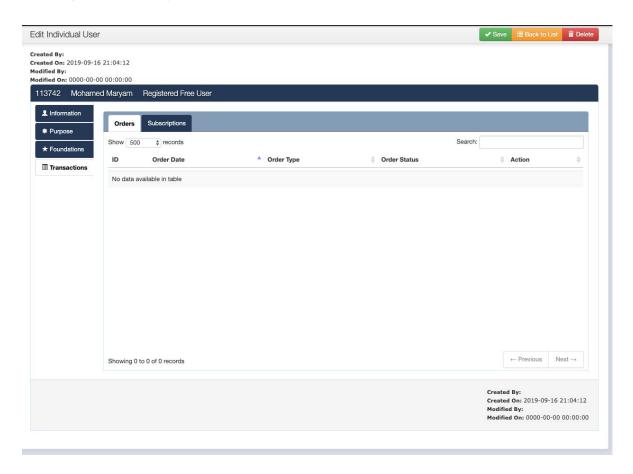
Purpose, study, education, Care, Welfare, Research, Project (The implementation is not good right now. It needs to be changed)



#### H. User's Foundations list



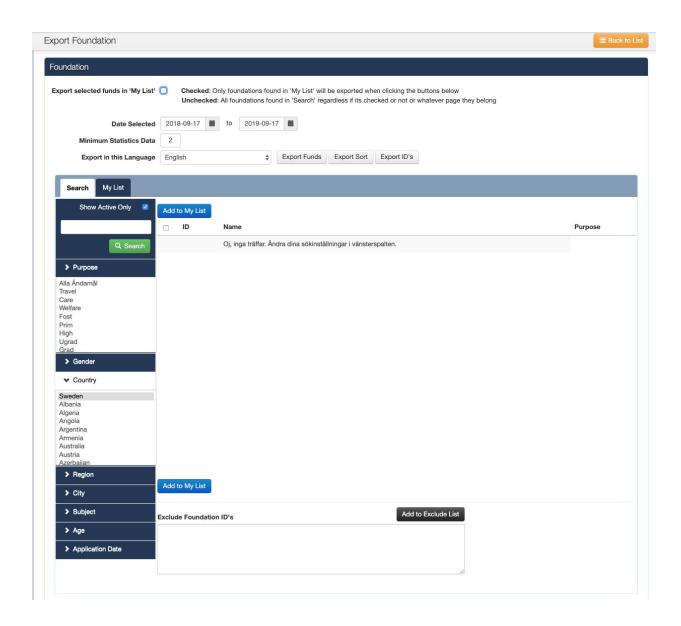
#### I. User's Transactions



#### J. Donors

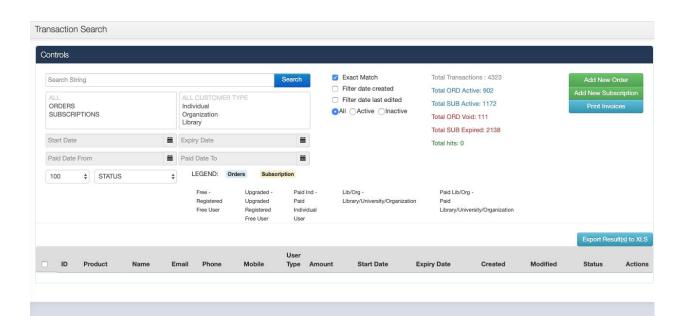
CRUD functionality, Foundations list

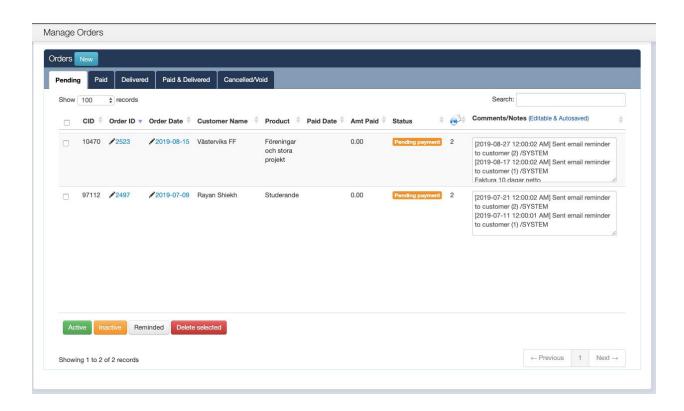
Export Books: Export foundations as a list in different formats



#### K. Subscriptions/Orders administration system

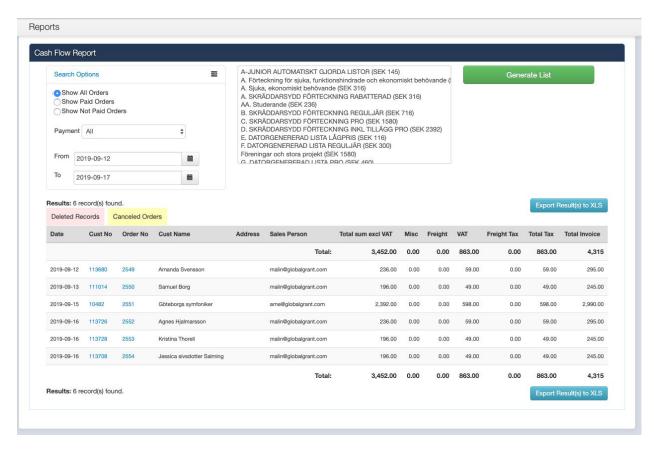
Goal: CRUD functionality, Search functions, search filters like Pending, Paid, Delivered, Paid and delivered, Cancelled/Void. Export functions





#### L. Reports system

Subscriptions reports, users reports, search reports etc. Export functions



#### M. CMS system

Goal: To have a CMS system with possibility to easy change Head, Foot, Content, menus and images on the Front-End

#### N. Parameters system

### Purpose system

Goal: To create a system with CRUD functionality. Those values can be used in the search algorithm on Simple and Advanced Search

Parameters examples: Subject, Locations, Payment methods, etc...

#### 3.1.1.2 Front-End - User interface

Most of the images used in this section are from the old version of <u>globalgrant.com</u> and the purpose of this section is to show a basic prototype of the function and not the final result of the interface.

#### A. Front-Page

All functions should be implemented in a more user friendly and user-oriented perspective. User have two choices, Simple (Economically needy, sick or disabled) or Advanced search (Another purpose)

#### To Do:

Determine the design, images

Decide the Content (Is the old one ok?)

New Structure, blocks

Decide Internal and external links

What Social media will be included?

Decide CTA, Call To Action

New way to introduce the Search function to the customers

Wizard - Do you need money or information

Menu on header and footer

#### Urls:

Old version: <a href="https://globalgrant.com">https://globalgrant.com</a>

Current Url: http://test.globalgrant.com/newcode/public/search-foundation



## Welcome to our website

Etiam suscipit leo tincidunt risus dignissim quisque semper mollis



#### B. Simple Search-Page

#### Goal of Simple search:

A completely new search interface for users, Implement a Search wizard for beginners

#### Current url:

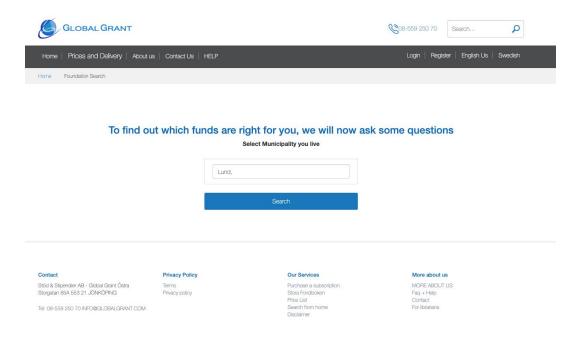
http://test.globalgrant.com/newcode/public/search-foundation

#### A. Start page of simple search function: (Jira GG40-49)

This section contains an Multi-Auto Complete function that shows all the Municipalities in Sweden:

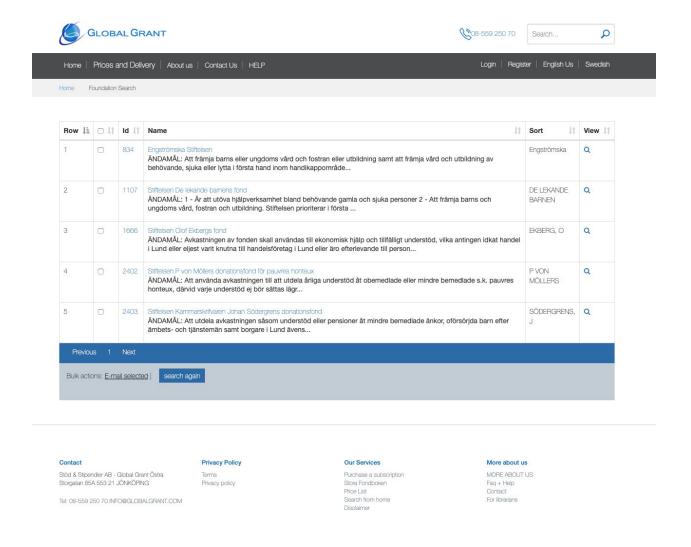
Examples: Huddinge, Årsta, Stockholm, Lund, Göterborg ...

This function is working well and doesn't need to be changed



#### B. Result page table: (Jira GG40-25)

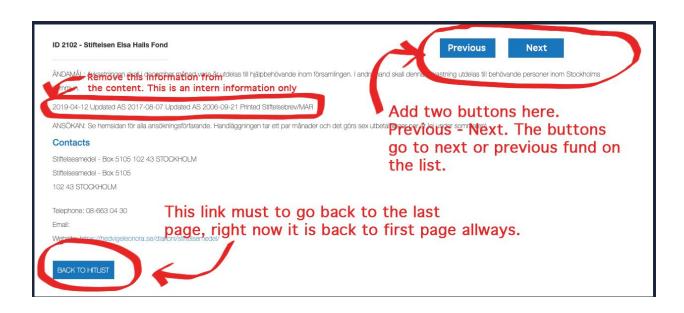
This is a view of results for a usual user, not logged in.



Improvements need to be done in this section

Go to Jira for more details

Begin with the item GG40-55 - Fix details on Fund item

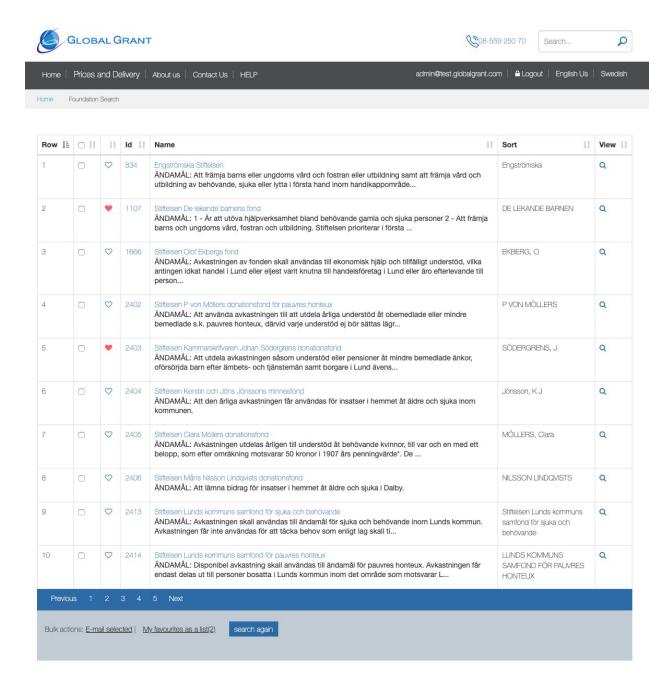


#### Logged users View:

Username: <a href="mailto:admin@test.globalgrant.com">admin@test.globalgrant.com</a>

Password: tecnotch234

Password 2: admin123



This view have some extra functionality as favorites, save and email funds for Logged in users.

#### Todo:

- 1. Take a look into the code that the other company have used. The code must follow good rules and programming practices.
- 2. If you see that the code follow some good rules, you can continue with it, or change it.

- 3. The first item that needs to be improvement is item GG40-55 Fix details on Fund item
- 4. You can always take a look into the old production version or you can always ask me for more information.
- 5. I hope that you have installed your local environment.
- C. Advanced Search-Page

More information on shortly