Business Features

FOUNDATION PORTAL

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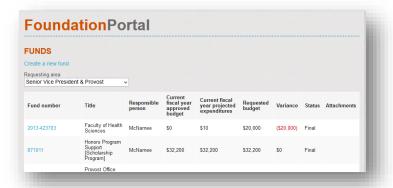
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1.1 Description of business functionalities

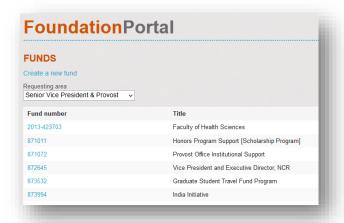
List funds

Funds are listed by Areas, they must only show their respective funds. There are 9 data fields that must show:

- Fund number
 - Will always have a link to the edit section
- Title
- Responsible person
- Current fiscal year approved budget
- Current fiscal year projected expenditures
- Requested budget
- Variance
 - Variance will be on red if negative
- Status
- Attachments



Since the table has many columns when the size of the browser is not big enough, it will only show the first two columns: fund number and title.



In both of the cases mentioned before (big and small screen) there must be a link to proceed to create a fund on the list fund function. And the listing table might have enabled sort by functionalities on the table headers

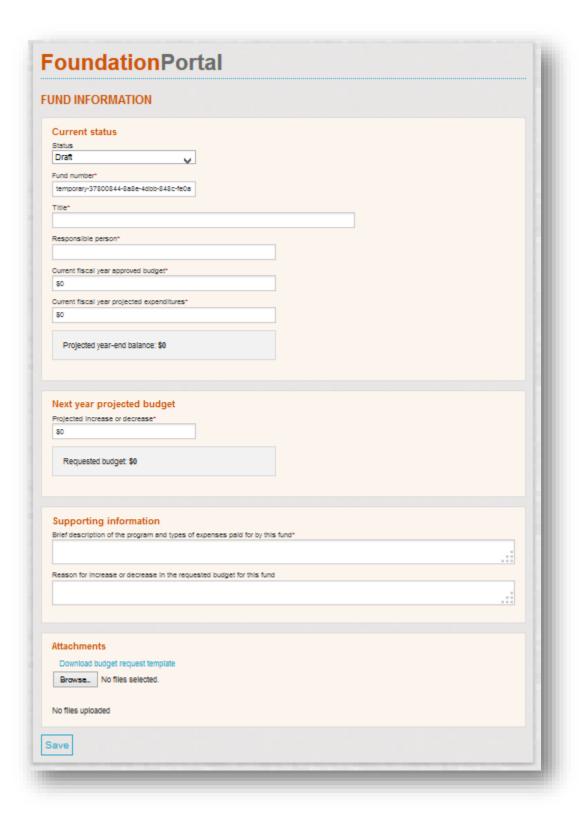
Description of the html elements

	List Elements					
Tag	Attribute	Class	Column name			
а	data-bind="text:Number"		Fund number			
td	data-bind="text: Title"	hide-for-medium-down	Title			
td	data-bind="text: ResponsiblePerson"	hide-for-medium-down	Responsible person			
td	data-bind="text: formattedCurrentBudget"	hide-for-medium-down	Current fiscal year approved budget			
td	data-bind="text: formattedProjectedExpenditures"	hide-for-medium-down	Current fiscal year projected expeditures			
td	data-bind="text: formattedRequestedBudget"	hide-for-medium-down	Requested budget			
td	data-bind="text: formattedVariance"	hide-for-medium-down	Variance			
td	data-bind="text: fundStatusText"	text-center hide-for-medium- down	Status			
td	data-bind="foreach: FileUploads"	text-center hide-for-medium- down	Variance			

	Selection element				
Tag	Tag Name Label				
Select					

	Link to create new fund			
Tag	Tag Attribute Content			
а	data-bind="click: navigateToCreateView"	Create a new fund		

Create Fund



This is the function for creating funds that will enable users to create in the authorized areas. There is a form that must be filled out, specifying which are the required fields by using a red "*" and client side validation.

Description of the html elements

Almost every input field is required, the next table describes the fields:

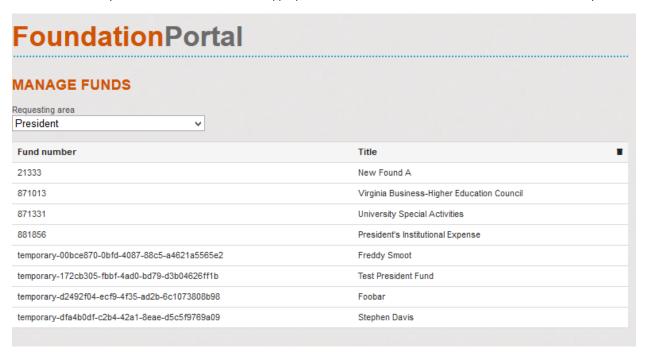
	Required fields				
name	class	Туре	Default	Description	
Status	None	Select	Draft [value=1]	Options: Draft [value=1] Final [value=2] Defines: defines what type of fund and will be crucial when the type is final, since the user must not be allow to do changes.	
Number	hide-on-print validationElement	Input – text & numbers	temporary- xxxxxxxx-xxxx- 4xxx-yxxx- xxxxxxxxxxx	Defines: the number of the fun. It is made by randomizing number with the default format.	
Title	hide-on-print	Input text	None	Defines: the name or title for the fund	
ResponsiblePerson	hide-on-print	Input text	None	Defines: the name or title for the fund	
CurrentBudget	hide-on-print	Input text - numbers	\$0	Defines: the current fiscal year approved budget	
ProjectedExpenditures	hide-on-print	Input text - numbers	\$0	Defines: the current fiscal year projected expenditures	
BudgetAdjustment	hide-on-print	Input text - numbers	\$0	Defines: the projected increase or desease on budget. Note: When inserted a negative number will turn red and will add parenthesis	
Description	hide-on-print	textarea	None	Defines: a brief description of the program and type of expenses paid for by this fund	

	Not Required fields				
name	class	Туре	Default	Description	
BudgetAdjustmentNote	hide-on-print	textarea	None	Defines: a reason for increase or decrease in the requested budget for this fund Required: only when there is decrease or increase in the budget field.	
files[]	None	Input file	None	Defines: attachment files for the fund, allows multiple files.	

Submit Button				
class Type Text				
Text-button span Save				

Manage Fund

This is a functionality that enables the user with the appropriate role to delete funds that have been inserted into the system.



Description of the html elements

Selection element					
Tag	Tag Name Label				
Select					

	List Elements			
Tag	Attribute	Class	Column name	
table	data-bind="visible: !noItemsToShow()"	bumped	NA	
th			Table Headers	
Td a	data-bind="fastbutton: \$root.selectItem"		Fund number	
Td a	data-bind="fastbutton: \$root.selectItem">		Title	

Report

The report section is similar to the list functionality but it does make subtotals for each one of for the areas and a bottom line total for all the areas but not including "Other uses of funds".

There are 7 fields displayed in the report:

- Fund number
- Title
- Responsible person
- Current fiscal year approved budget
- Current fiscal year projected expenditures
- Requested budget
- Variance
 - Variance will be on red if negative



Description of the html elements

	List Elements				
Tag	Attribute	Class	Column name		
а	data-bind="text:Number"		Fund number		
td	data-bind="text: Title"	hide-for-medium-down	Title		
td	data-bind="text: ResponsiblePerson"	hide-for-medium-down	Responsible person		
td	data-bind="text: formattedCurrentBudget"	hide-for-medium-down	Current fiscal year approved budget		
td	data-bind="text: formattedProjectedExpenditures"	hide-for-medium-down	Current fiscal year projected expeditures		
td	data-bind="text: formattedRequestedBudget"	hide-for-medium-down	Requested budget		
td	data-bind="text: formattedVariance"	hide-for-medium-down	Variance		

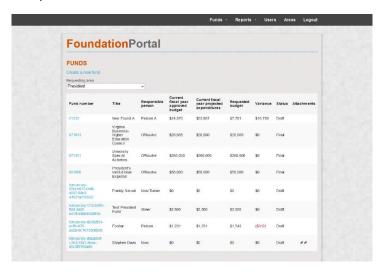
	Subtotals Rows				
Tag	Attributes	Class	Element content		
tr	none	subtotal	Area name		
td	data-bind="text: formattedCurrentBudget"	hide-for-medium-down	Current fiscal year approved budget		
td	data-bind="text: formattedProjectedExpenditures"	hide-for-medium-down	Current fiscal year projected expeditures		
td	data-bind="text: formattedRequestedBudget"	hide-for-medium-down	Requested budget		
td	data-bind="text: formattedVariance"	hide-for-medium-down	Variance		

	Total Row				
Tag	Attributes	Class	Element content		
tr	none	grandtotal	Grand totals		
td	data-bind="text: formattedCurrentBudget"	hide-for-medium-down	Current fiscal year approved budget		
td	data-bind="text: formattedProjectedExpenditures"	hide-for-medium-down	Current fiscal year projected expeditures		
td	data-bind="text: formattedRequestedBudget"	hide-for-medium-down	Requested budget		
td	data-bind="text: formattedVariance"	hide-for-medium-down	Variance		

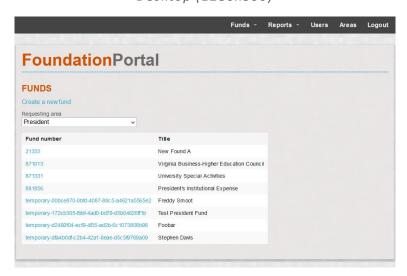
1.3 Description of user infrastructure

The users will uses different devices to connect to the website, this will required from the system to handle different resolutions while no loosing format or by adapting a mobile format. The resolutions enlisted in the requirement for the build were:

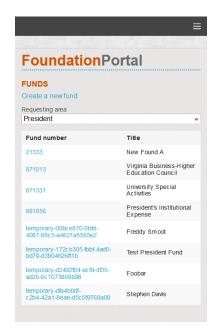
- Desktop (1280x800)
- Tablet/Classic (1024x768)
- Mobile (320x568)
- Large Mobile (480x800)



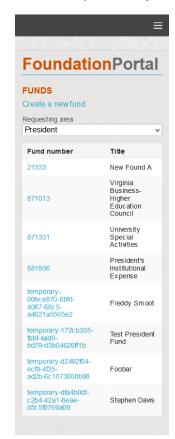
Desktop (1280x800)



Tablet/Classic (1024x768)



Mobile (320x568)



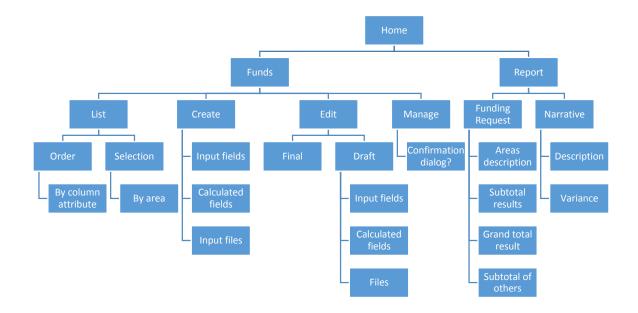
Large Mobile (480x800)

This devices will also have a different user interaction, this is mostly because they don't use the same peripherals to interact with the site. Principal problems between desktop and mobile devices are:

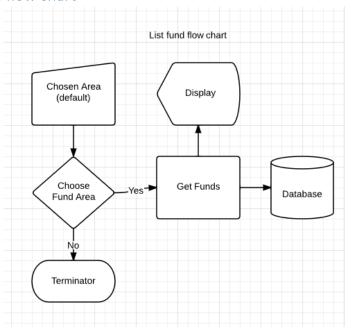
- Click feature: done by a mouse on a computer and done by a touchable screen on the mobile devices.
- Hover feature: there is no hover feature on mobile devices
- Long information: mobile interfaces have to be able to display an understandable version of a long width wise line.
 - o In the list function: there is only the visualization of the number of fund and the title.
 - o In the report function: there is only the visualization of title and requested budget.

2.1 User Interaction with functionalities

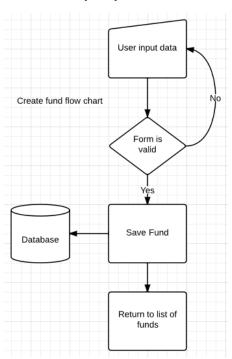
2.1.1 Functionalities diagram



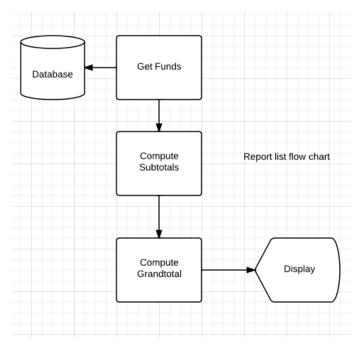
2.1.2 Functionalities flow chart



List funds flow chart



Create Fund Flow chart



Report List flow chart

2.1.3 User input data integrity

The user data integrity is addressed in two generic functionalities of the UI interface: display and input.

Display

On the matter of display information the data has to be reliable from the server side but on the matter of UI interface data has to be well displayed so it maintains integrity. Calculations have rely on the integrity of the data used and the display must ensure to display a correct value.

Input

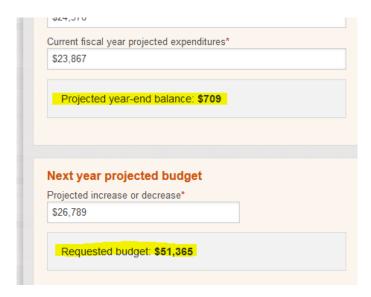
Input data will have integrity if once introduced is formatted correctly and saved. This means that the updated or new data can be found in the application and is formatted correctly.

Foundation Portal cases

The following are cases pointed on the images are the critic for data integrity in the Foundation Portal in terms of display.



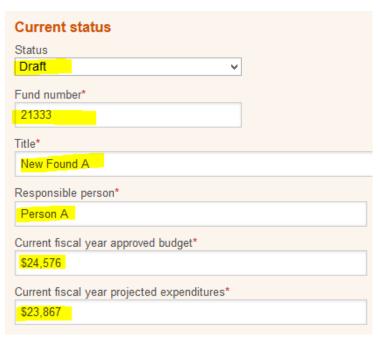
Fund List case



Fund create & edit calculations case



Report list case



Edit & Create input fields case

2.3 Client Infrastructure interaction with the portal

The infrastructure of the client is important in terms of User Interface, since the infrastructure will be in charge of loading the website and interacting with it. This is a complex topic since each infrastructure will implement different software that will handle the UI on a different way. The documentation is intended to explain most common client infrastructure the portal will have to respond.

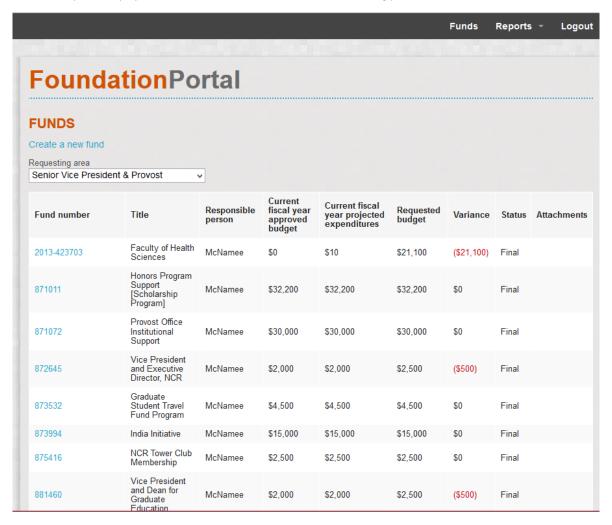
The portal has implemented a responsive CSS framework capable of handling different infrastructure. Frameworks on the user interface are intended to maintain format and adapt to different resolutions without losing the main content. In most of the cases there will be a full site UI and a mobile UI.

2.3.1 Description of different devices and resolution systems

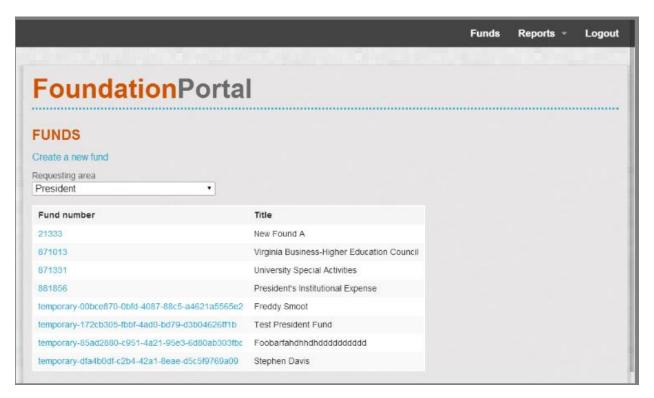
There are two main divisions of devices: computers and mobile computers. They have to main differences besides all the technology that runs on the background: resolution and input geastures.

The resolution varies between non mobile computer but they are characterized to have biggger resolution and most of the times have a mouse peripheral connected to the system. On the mobile side, the resolution are most of the time small and the input peripheral most of the times will be a touchable screen.

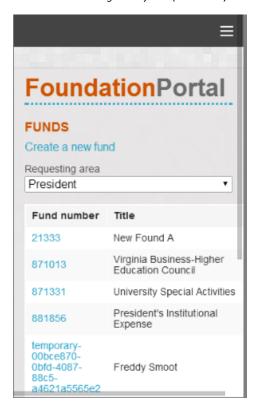
The Foundation portal displayed in the two divisions can be seen in the following pictures:



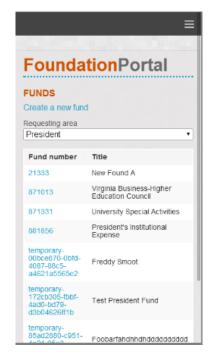
Full site visualization



Tablet. Samsung Galaxy Tab (1024x600)

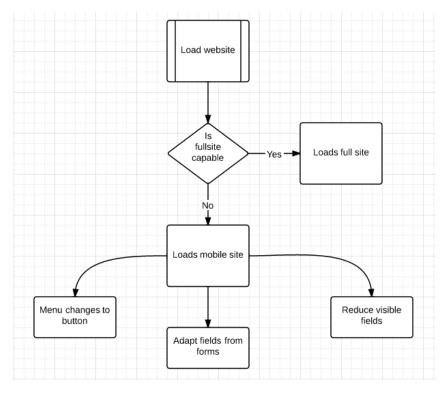


Large Mobile. Samsung Galaxy S,SII,W (480x800)



Mobile. Nokia C5, C7, N97, N8, X7 (360 x640)

2.3.2 Response flow chart to different client infrastructure



CSS Framework adaptability