



Roskilde Daycare Centre

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DAT21I

Scope

Create a simple-to-use program with an intuitive Graphical User Interface. The program is meant to facilitate administrative tasks to a Daycare Centre located in Roskilde. Our application needs to display data relevant to the facility.

Overview

I underestimated the workload, which combined with my propensity to procrastination, and my computer breaking at some point and losing precious time fixing it (had to open it up) , has resulted in an incomplete hand-in. Nevertheless, the Authentication, Main Menu, and Child Menu functionality is fully implemented, and serves as a proof of concept of how the missing parts would work.

Tech Stack

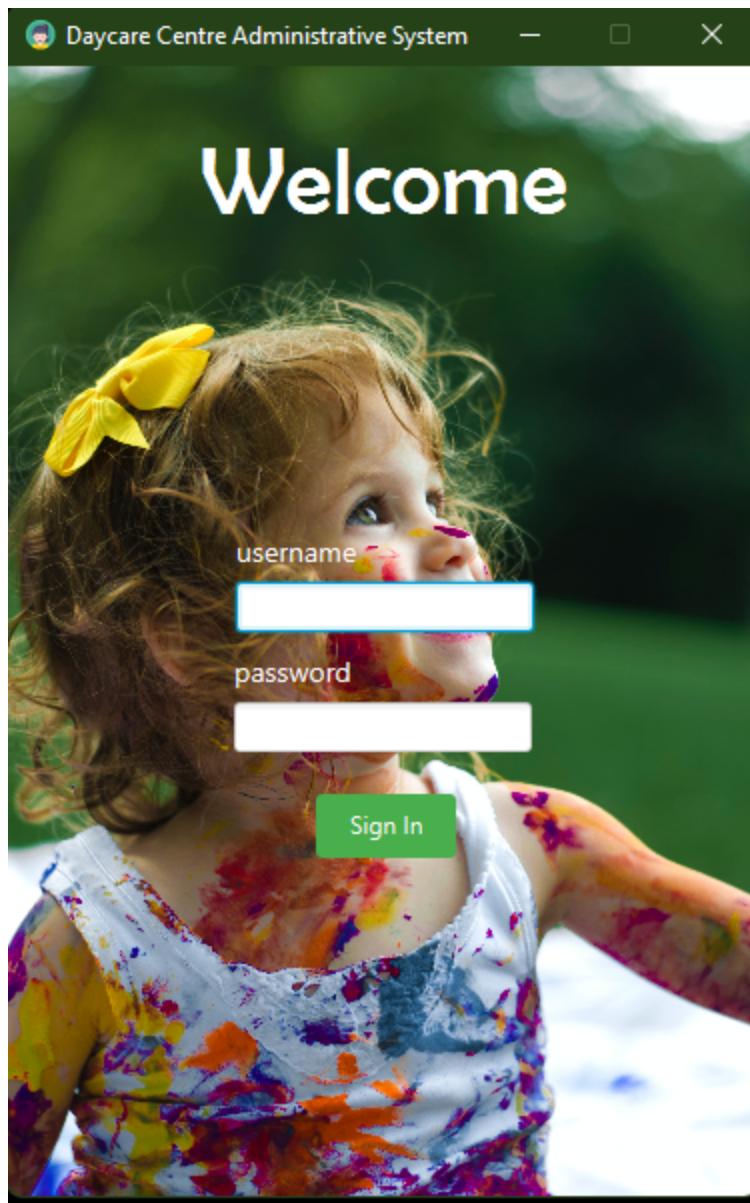
- Java
- JavaFX
- MySQL
- Git Version Control

Inception

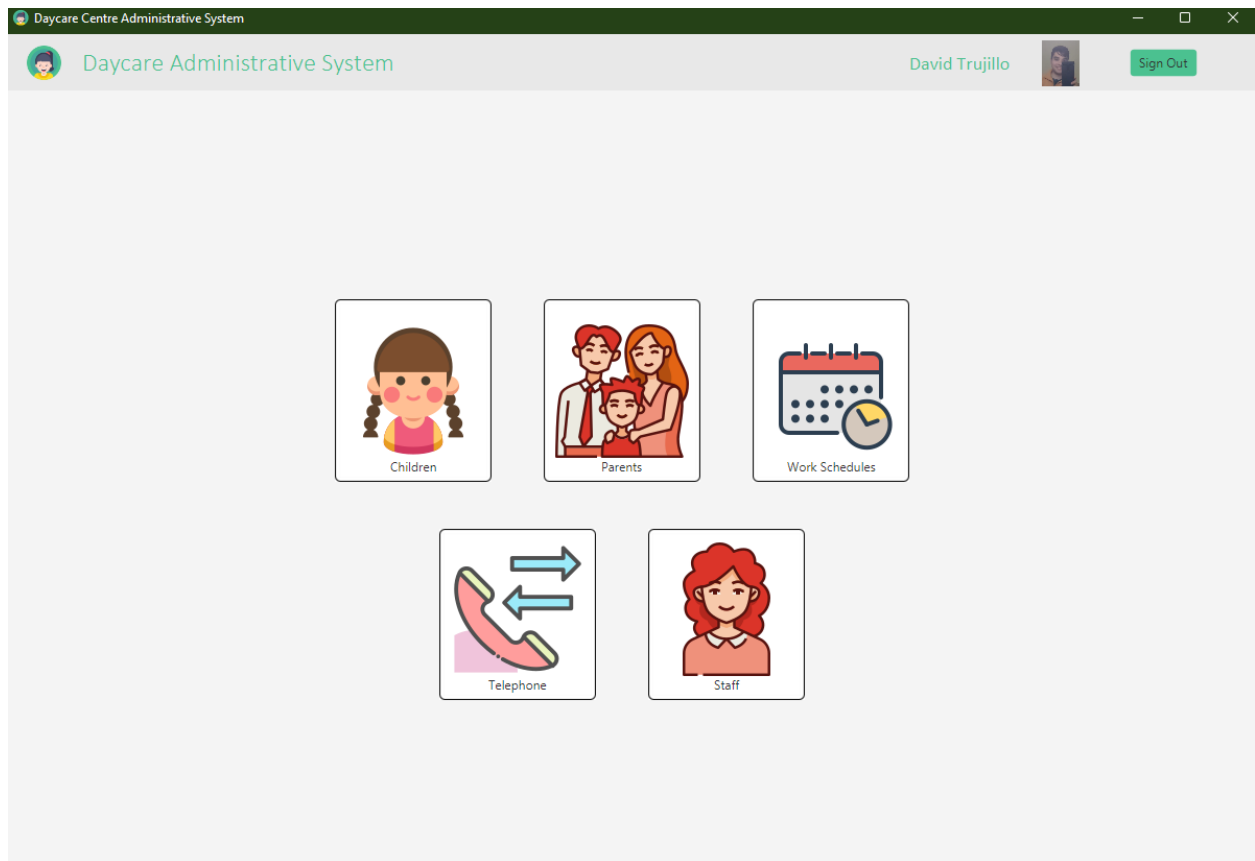
I began by diagramming, but found myself unable to produce rather meaningful concepts without getting my hands on the code. This might be the case due to the fact that we received very little instruction on JavaFX, so I found it very hard to conceive a program without knowing exactly what I needed to do.

Elaboration










During the programming phase, I tried to implement the diagrams as much as possible, but often had to diverge from the original concept to adapt to the technology at hand. I managed to dynamically “inject” instances from the database into a view of the GUI, as well as add and edit these on the go. A (couple of) picture(s) (are) worth a thousand words:



Authentication Window



Main Menu

Daycare Centre Administrative System						
Daycare Administrative System		David Trujillo				
	Little Timmy	2022-03-01	1111	M	Douglas Beaver	Edit Delete
	Octavian R	2022-03-16	101010	M	Guardian Unknown	Edit Delete
	Dougzie Beaver	2022-03-01	10101000	M	Guardian Unknown	Edit Delete
	Jacob Patelski	2022-03-22	1123123	F	Guardian Unknown	Edit Delete
	Bartosz Birylo	2002-01-10	1234567890	F	Guardian Unknown	Edit Delete
	aaaa bbbbbb	2022-03-08	123213	N	Guardian Unknown	Edit Delete
	aaaf asfasf	2022-03-11	43214	F	Guardian Unknown	Edit Delete
	123 312	2022-03-04	124	N	Guardian Unknown	Edit Delete
	Jakub Patelski	2022-03-22	111	N	Guardian Unknown	Edit Delete

Children Menu

Daycare Centre Administrative System

Daycare Administrative System

David Trujillo

	Little Timmy	2022-03-01	1111	M	Douglas Beaver	Edit	Delete
	Octavian R	2022-03-16	101010	M	Guardian Unknown	Edit	Delete
	Dougzie Beaver	2022-03-01					
	Jacob Patelski	2022-03-22					
	Bartosz Birylo	2002-01-10					
	aaaaa bbbbbb	2022-03-08					
	aaaf asfaf	2022-03-11	43214	F	Guardian Unknown	Edit	Delete
	123 312	2022-03-04	124	N	Guardian Unknown	Edit	Delete
	Jakub Patelski	2022-03-22	111	N	Guardian Unknown	Edit	Delete

Add Child

New Child

Choose

Cancel

First Name

Last Name

CPR

Select Gender

Date of Birth

Submit

Adding a new child

Daycare Centre Administrative System

Daycare Administrative System

David Trujillo

Edit Child

First Name: Last Name:

CPR: Select:

Date of Birth:

	Little					<input type="button" value="Edit"/> <input type="button" value="Delete"/>
	Octa					<input type="button" value="Edit"/> <input type="button" value="Delete"/>
	Doug					<input type="button" value="Edit"/> <input type="button" value="Delete"/>
	Jacob					<input type="button" value="Edit"/> <input type="button" value="Delete"/>
	Bartosz Birylo	2002-01-10	1234567890	F	Guardian Unknown	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
	aaaa bbbbbb	2022-03-08	123213	N	Guardian Unknown	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
	aaaf asfasf	2022-03-11	43214	F	Guardian Unknown	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
	123 312	2022-03-04	124	N	Guardian Unknown	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
	Jakub Patelski	2022-03-22	111	N	Guardian Unknown	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Editing a child

Conclusion

Managed to implement cool ideas, and I intend to finish it by the presentation. I would show some code in this report, but most interesting functions are very large and it'd be too long.