

TalTech

Discgolf price checker
Web Applications with C#

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Analysis

Discgolf has been part of my life for 4 years now and I have bought over 30 discs, which made me wonder how much money could have I saved and therefore potentially more discs could I have bought. As the game/activity becomes more popular, more and more shops start selling discs and for beginners it can be really overwhelming to find them.

Initial goal for this application would be to find as many discs as possible by just its name and give them in a list that can be sorted and clicking on a disc would take the guest to the shop page without logging in. Registered users could save discs in their wishlist if they want to keep an eye on the price. In the first phases of programmin mock data would be used, but when enough time is left web crawlers would be implemented.

There would also be room for development in the future such as finding discs by their flight numbers and comparing flight paths in the application.

ERD schema

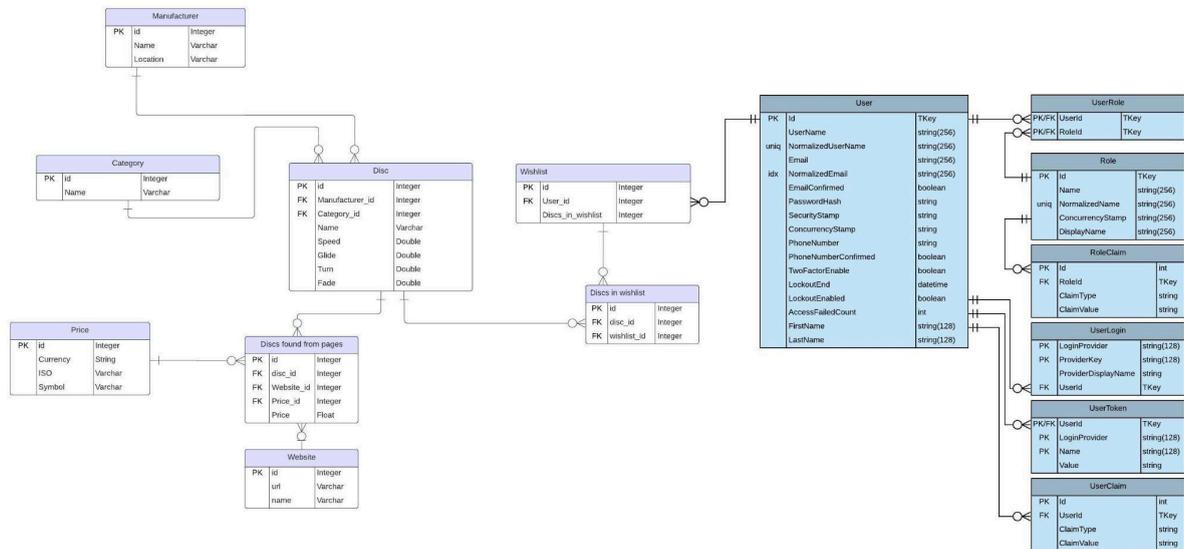


Figure 1. ERD schema

Sketches

Sketch 1

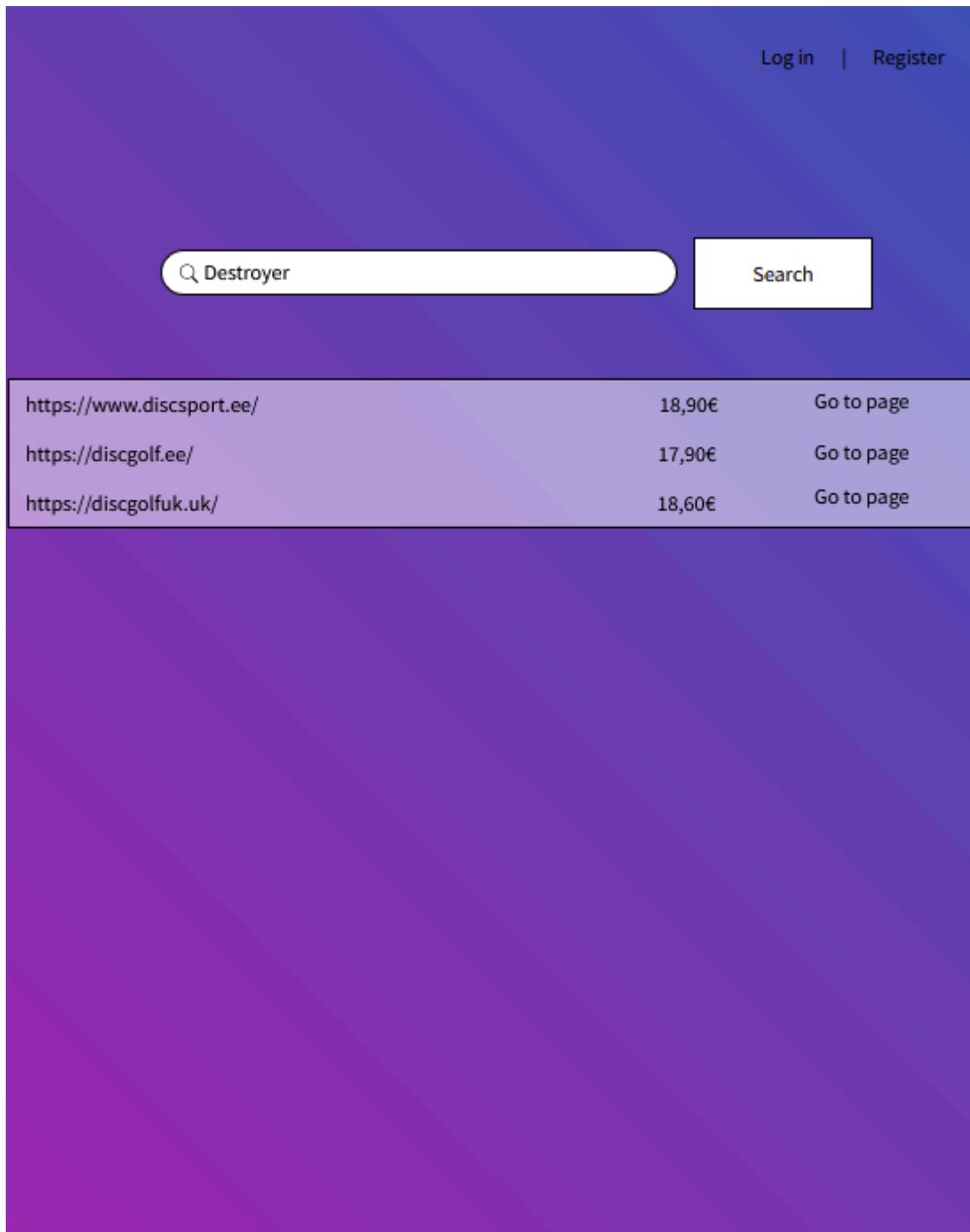


Figure 2. Initial sketch of guest on main page searching disc.

Sketch 2

[Compare](#) | [Wishlist](#) Joonas

Flight numbers	Destroyer	Rive
Speed	12	13
Glide	5	5
Turn	-1	0.5
Fade	3	3.5
	18.90€	24.50€

Figure 3. Initial sketch of compare page.

Sketch 3

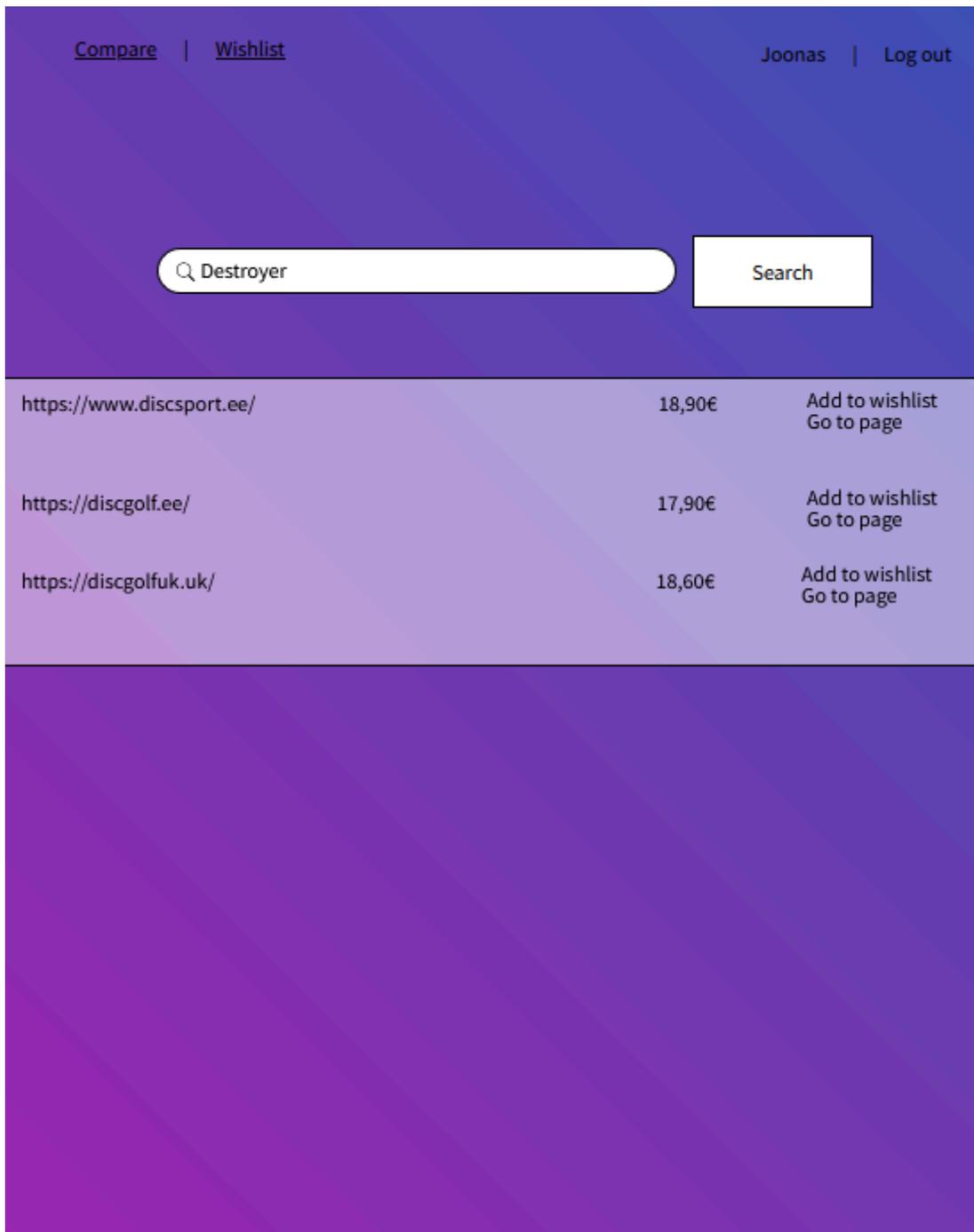
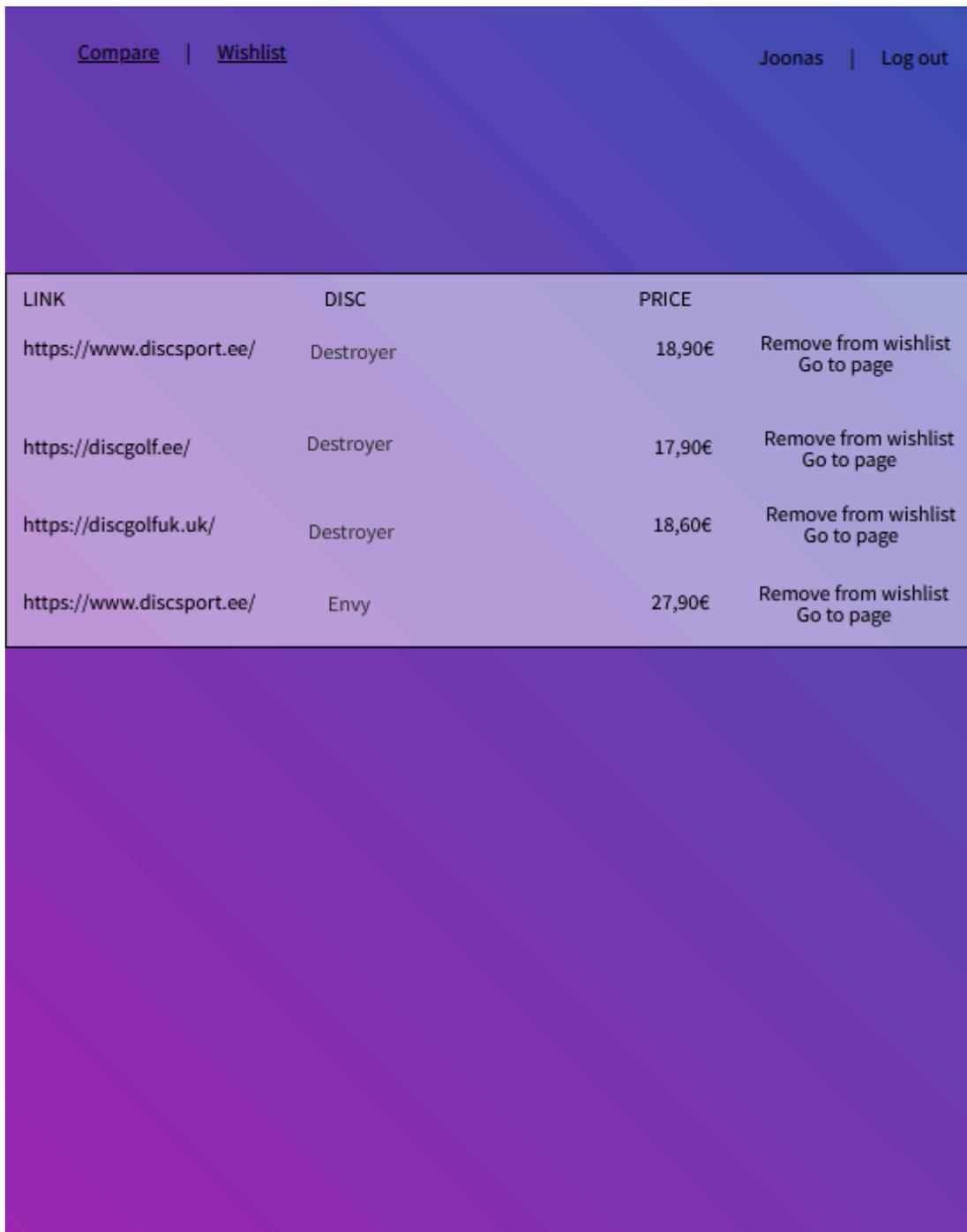


Figure 3. Initial sketch of logged in user searching for disc.

Sketch 4



The sketch shows a wishlist page with a purple gradient background. At the top, there are navigation links: [Compare](#) | [Wishlist](#) on the left, and [Joonas](#) | [Log out](#) on the right. Below this is a table with four columns: LINK, DISC, PRICE, and a column for actions. The table contains four rows of items, each with a URL, a disc name, a price, and two action links: 'Remove from wishlist' and 'Go to page'.

LINK	DISC	PRICE	
https://www.discsport.ee/	Destroyer	18,90€	Remove from wishlist Go to page
https://discgolf.ee/	Destroyer	17,90€	Remove from wishlist Go to page
https://discgolfuk.uk/	Destroyer	18,60€	Remove from wishlist Go to page
https://www.discsport.ee/	Envy	27,90€	Remove from wishlist Go to page

Figure 4. Initial sketch of wishlist page.

Sources

[1] **Lucidchart identity schema -**

https://lucid.app/lucidchart/6d147ccf-2261-49e7-9ddb-5e38755635b4/edit?viewport_loc=-58%2C35%2C2948%2C1398%2C0_0&invitationId=inv_4cce3be7-94ae-4033-bcd9-c614c3a845f2

[2] **ERD schema -**

https://lucid.app/lucidchart/a8c555b2-90f2-4d29-bebb-818274fab7d/edit?viewport_loc=-1673%2C-640%2C2736%2C1297%2C0_0&invitationId=inv_c5f4b7d8-d2ea-4088-903f-7439766ab843

[2] **Git with initial code -**

<https://gitlab.cs.ttu.ee/joklem/icd0024-23-24-s>