

PROJECT: MY COUNSELOR



Fuzzy sets and system I

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MyCounselor

Goal



This study highlights the use of fuzzy logic technology to guide students to the suitable profession track

The proposed system is designed to guide high school students to choose a future career which suit their interests.

The system recommends career options to students based on their interest on a range from one to five. We ask questions mainly related to six basic field.

The system was finally prototyped as a google site application.

Extension to recommend academic courses and job aspects related to their fields can be future direction of this prototype.

Crisp Solutions



- **Human-centric aspect** is rarely considered in academic counselling
- **Grades** might **not match** the interest
- The student might be **interested in several areas**

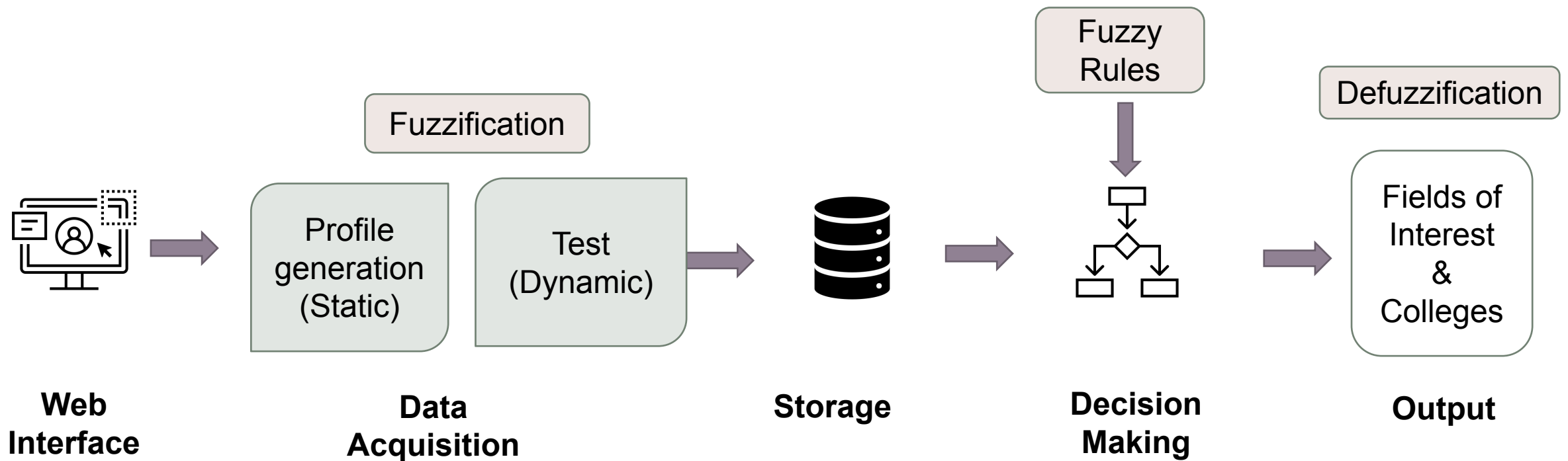
Example: A student might like science, and enjoy helping people, so suggesting Medicine is a good idea.

A student enjoys math 80% and at the same time 80% art which creates the possibility of being an architect

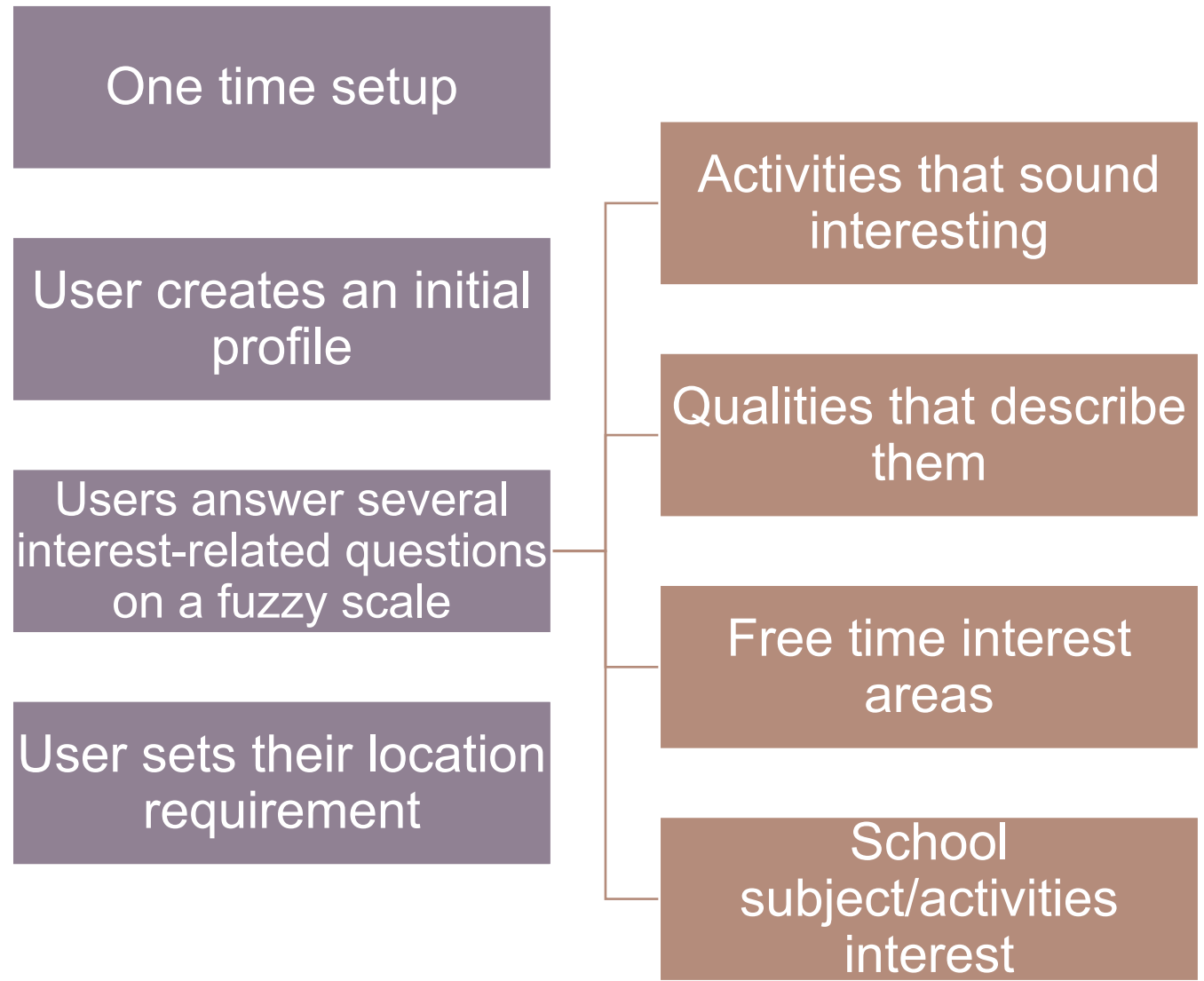


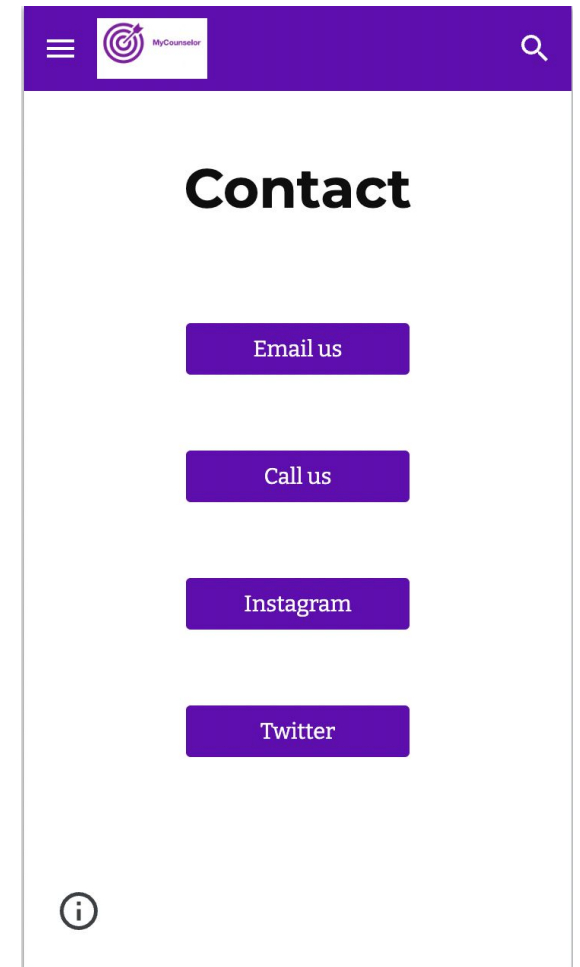
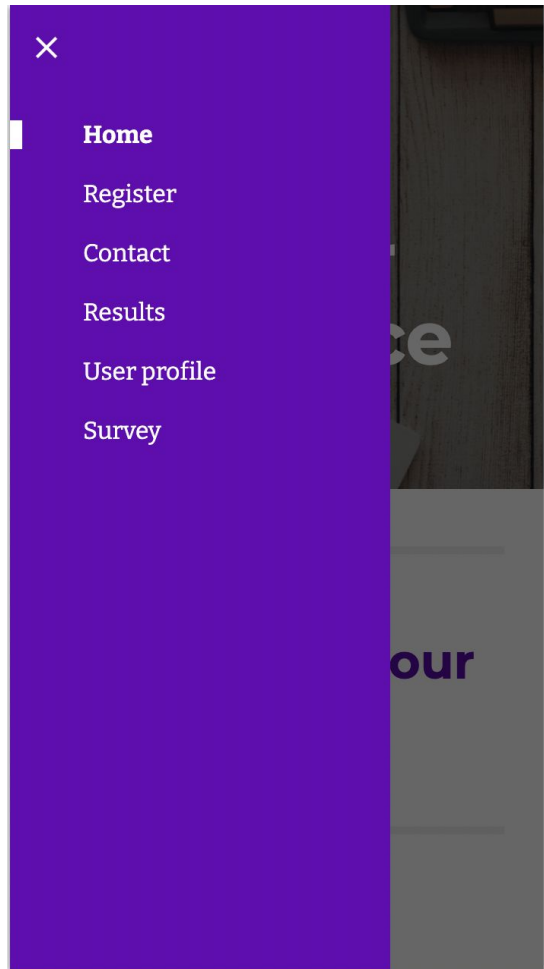
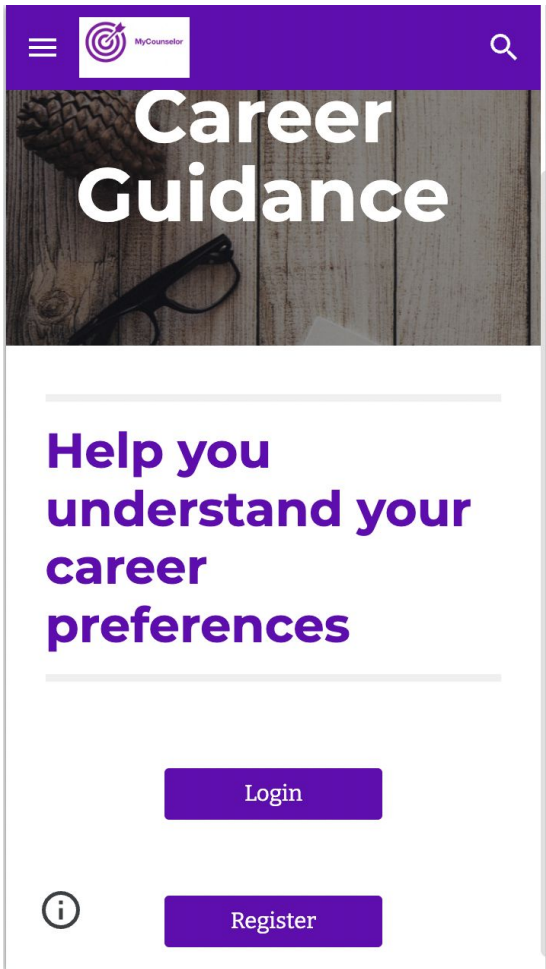
Fuzzy Solution




A fuzzy-based conceptual framework is suggested.



User Profile generation







Enter your login and password


Username:




Password:

☐ Remember me

Lost your username or password? Find it [here](#)!

Not member yet? Click [here](#) to register.









Password reminder

Forgotten your password? Enter your email address and we'll send your login information in a few minutes.

Email:





Registration. Please fill in the form below.


Name:

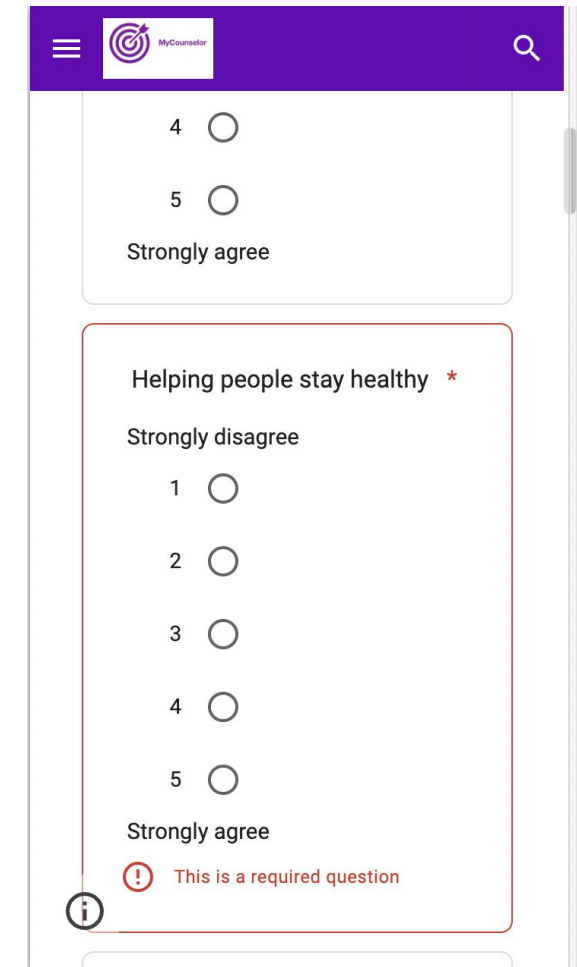
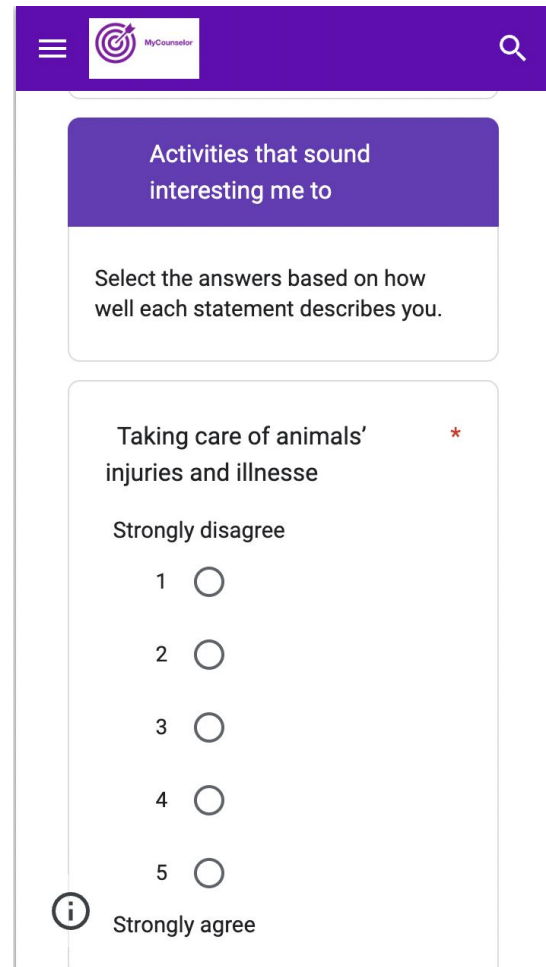
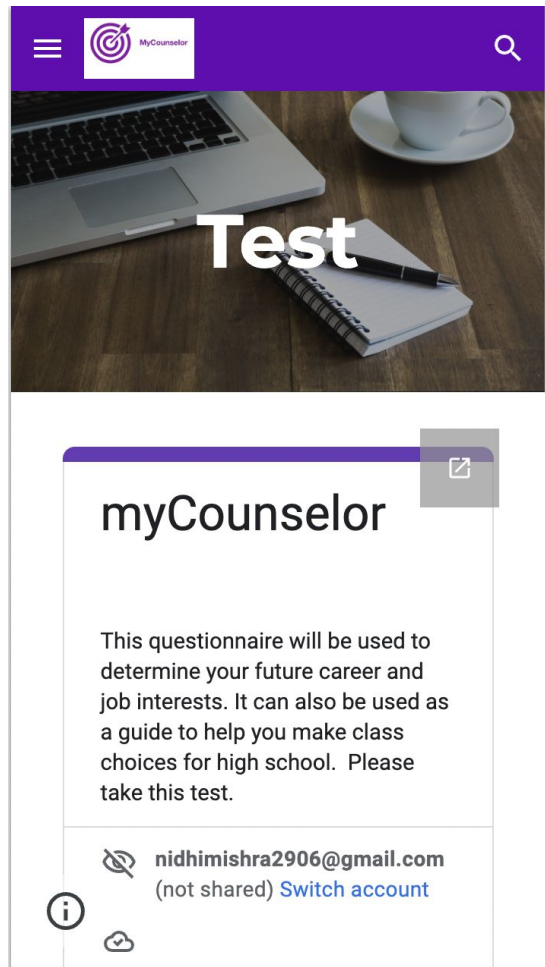
Email:




Username:

Password:

Verify password:









Career Guidance Survey

Please answer the following survey for the myCounselor application.

 **nidhimishra2906@gmail.com**
(not shared) [Switch account](#)






*** Required**

Age *

☐ 14

☐ 15

☐ 16



Age *

☐ 14

☐ 15

☐ 16

☐ 17




☐ 18

☐ 19

Gender *

☐ Male

☐ Female



4 ☐

5 ☐

Very good

Will you use this app or do you * prefer a crisp version?

☐ Fuzzy version

☐ Crisp Version

General Remarks?

Your answer

Submit

[Clear form](#)

Result display



Crisp version



Spider web (screenshot)



Map of possible
universities as per match
(screenshot)

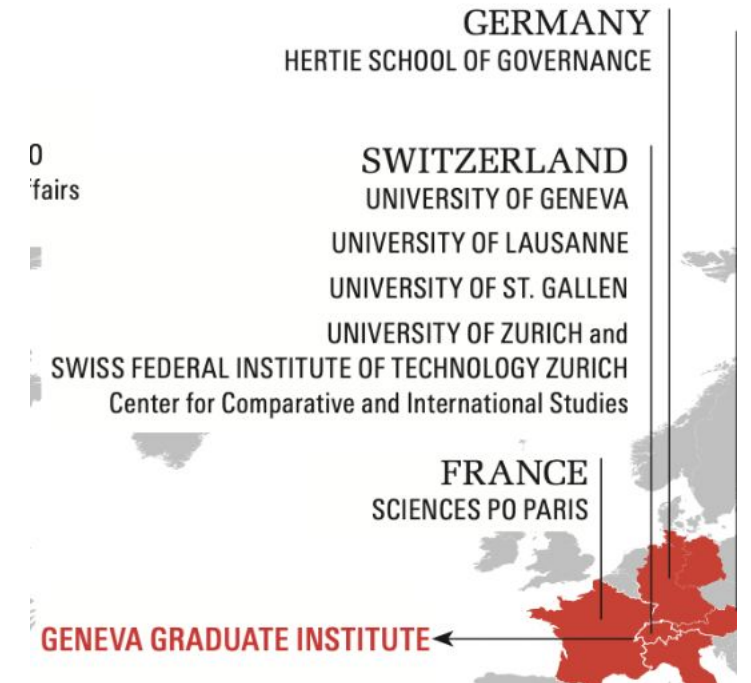
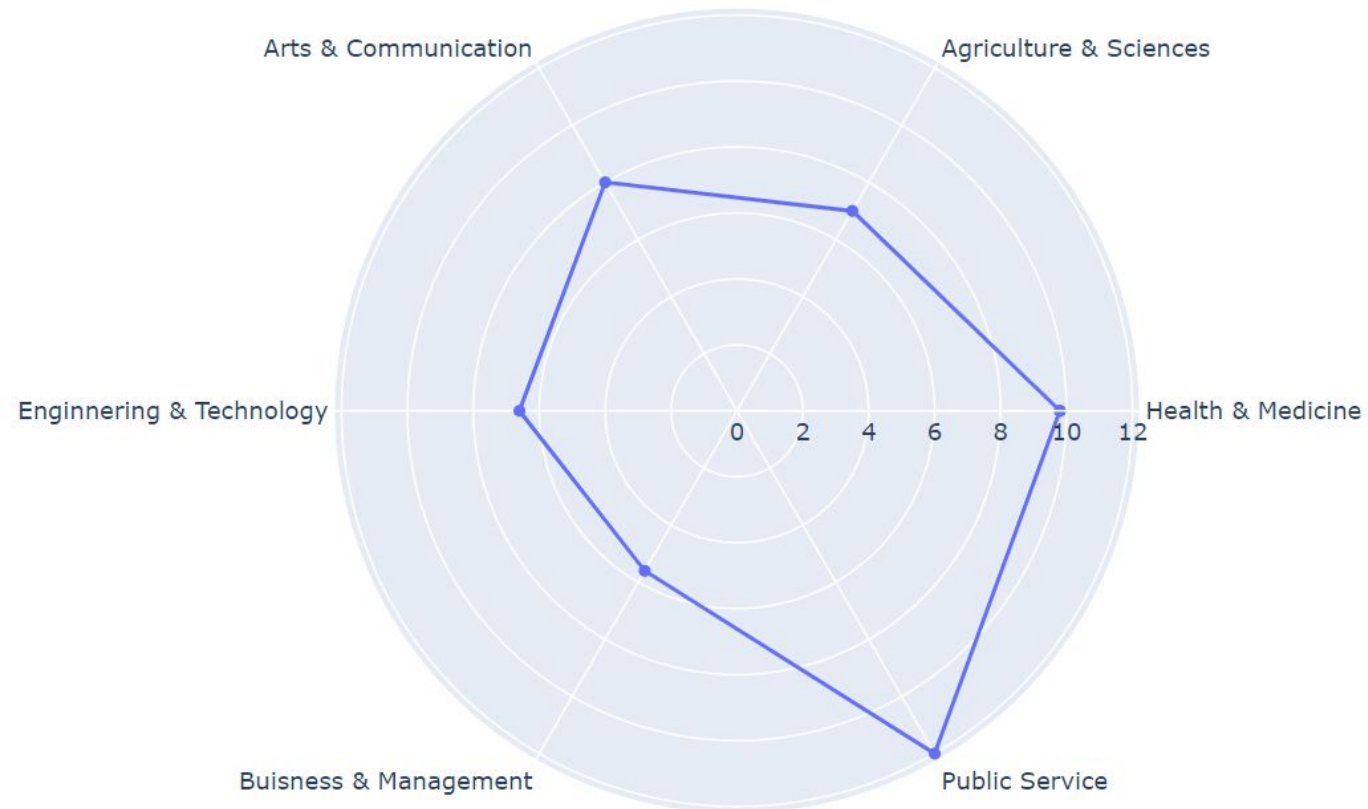
Example: Persona



- Name: Alexandera
- Lives in La Chaux des fonds
- Speaks French and is able to understand English as well
- Age: 15 Years
- Always been interested in helping people and studying biology,
- She would like to go to college where they speak French
- Doesn't mind leaving the country
- Radius- 200kms
- Outdoorsy, love friends, festivals, cultural events
- lacks communication skills



Results

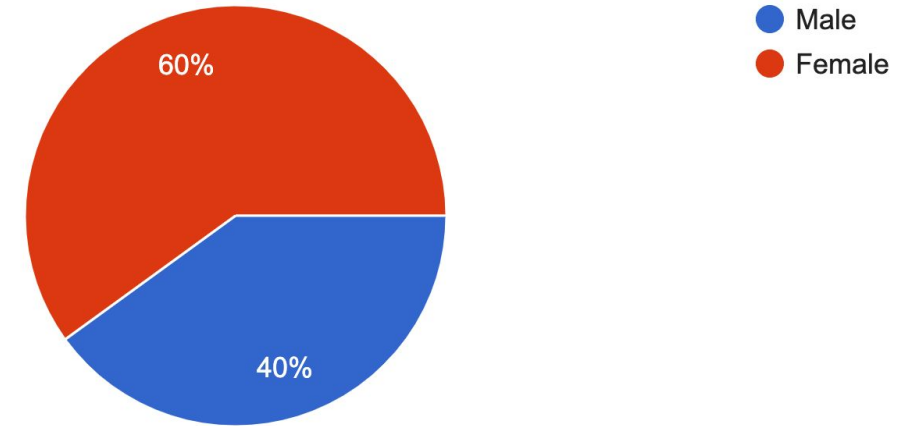


User Feedback

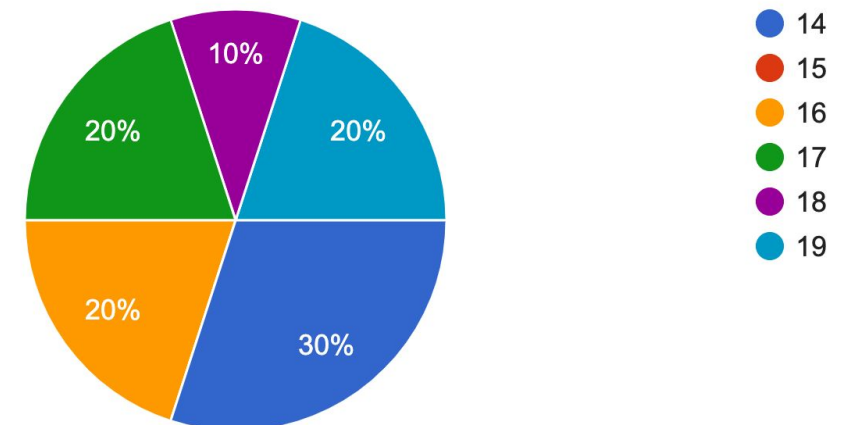


- 10 Participants
- 4 males and 6 females
- Between the age of 13-19 years

Gender
10 responses

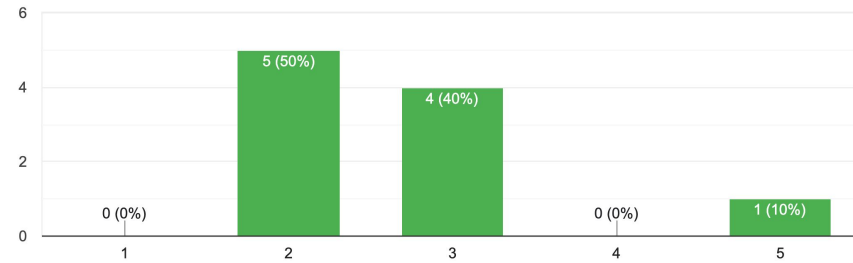


Age
10 responses



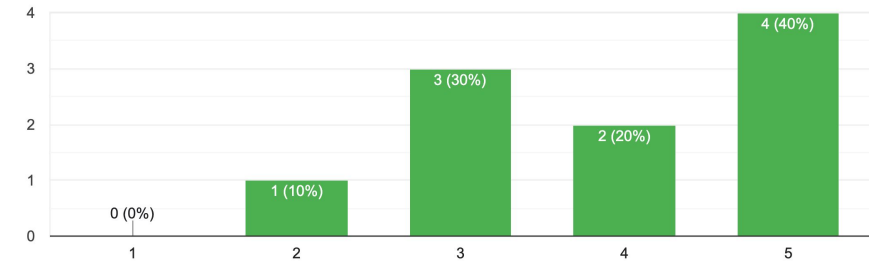
How do you rate the design of the website?

10 responses



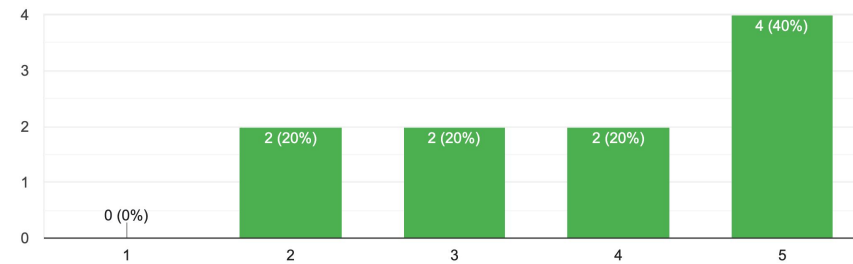
How satisfied are you with the suggestion provided?

10 responses



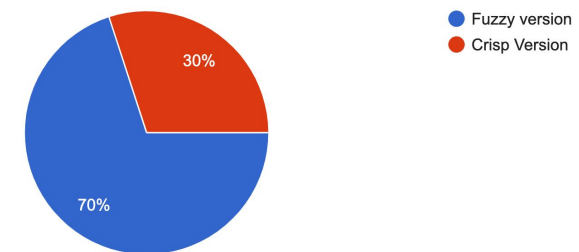
How understandable and usable is the website for you?

10 responses



Will you use this app or do you prefer a crisp version?

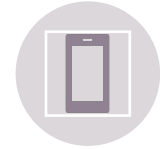
10 responses



User remarks



Preferred crisp questionnaire, was quicker



Was simple and easy to understand the app.



Interesting questions.

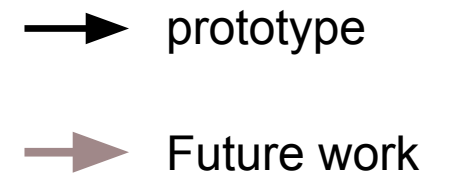
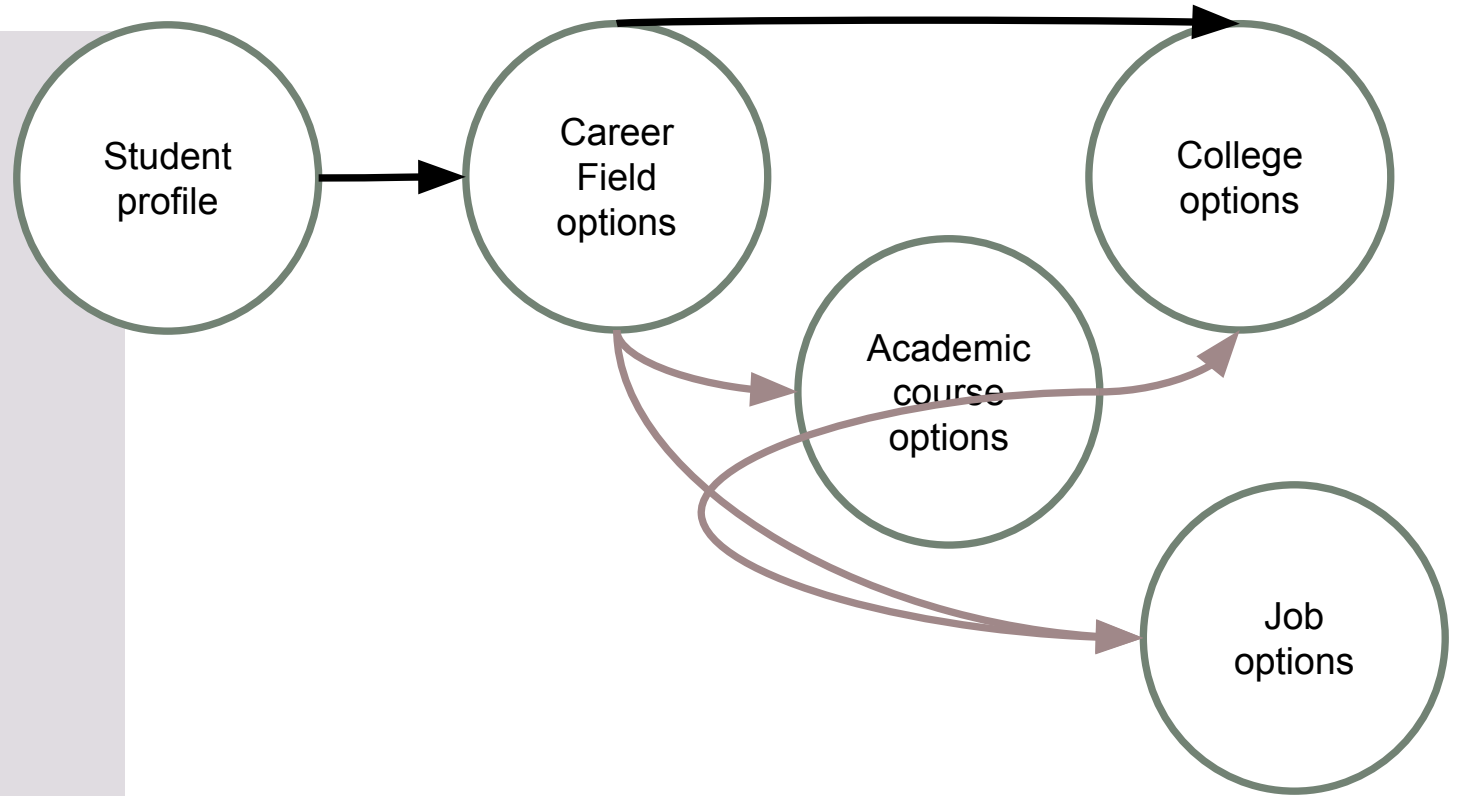


Wanted real answers.



Nothing to say.

FUTURE WORK



DEMO



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10

9

8

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References

- Peker, Musa, et al. "A new fuzzy logic based career guidance system: WEB-CGS." (2017).
- Pronina, Olha, and Olena Piatykop. "The Decision Support System Education Career Choice Using Fuzzy Model." *COLINS*. 2021.
- Bisht, Raj Kishor. "A fuzzy based conceptual framework for career counselling." *ArXiv abs/1602.08979* (2015)
- Gupta, Megha V., et al. "FESCCO: Fuzzy expert system for career counselling." *Int. J. Recent Innov. Trends Comput. Commun* 5.12 (2017): 239-243.

