HCI Project 2

To help decrease failure rates in the Science Faculty, this system is for new incoming students to get an idea of how their academic trajectory may play out given a course they pick and some background, individual and pre-university information.

1) Need finding:

A survey was conducted with 43 participants all of whom are or have attended the university and all are Science students. These were the questions:

a. Are/were you a student in the Science Faculty?
   Yes/No
b. Have you ever failed a year?

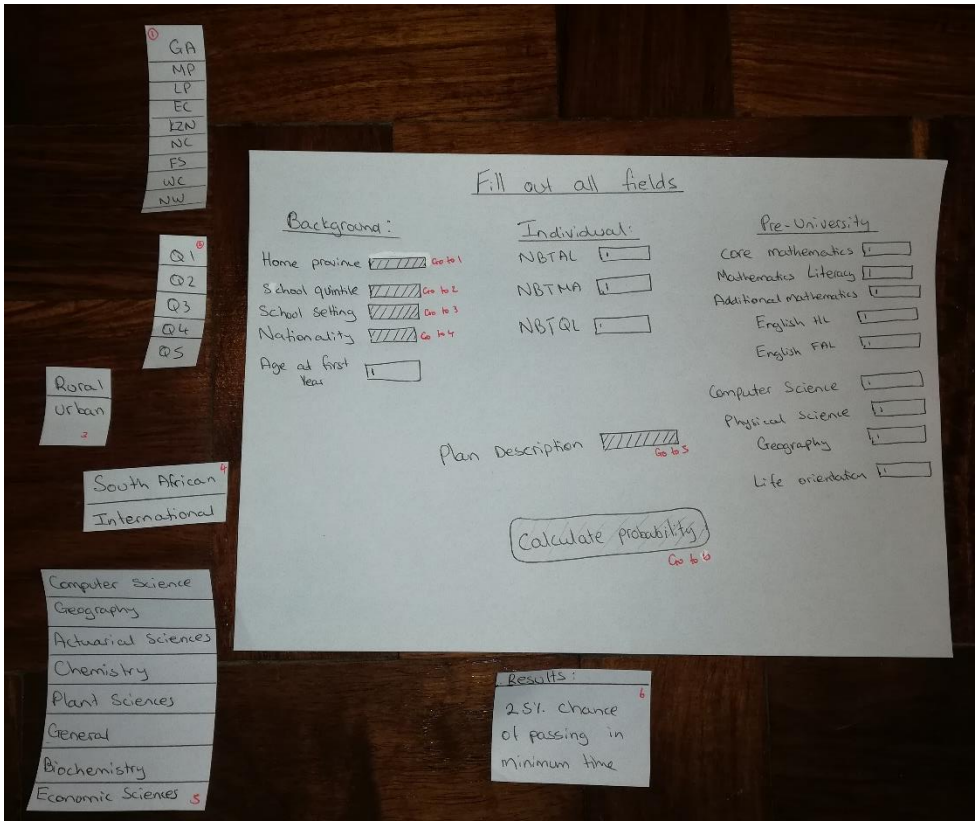
   Yes/No

c. Prior to the commencement of your degree, did you believe you would pass in minimum time (3 years)?
   Yes/No
d. How would you rate the quality of the academic advisory you received prior to the commencement of your degree?
   Excellent/Above average/Average/Below average/Poor
e. If you did not receive any advisory, do you think it would have been beneficial if you did?
   Yes/No
f. If there was a system that allowed you to input some details, choose any degree from the Science Faculty and would output a likelihood of you passing in that degree, would you have used it?
   Yes/No
g. If this system told you that you were likely to fail, which of the following would you have done?

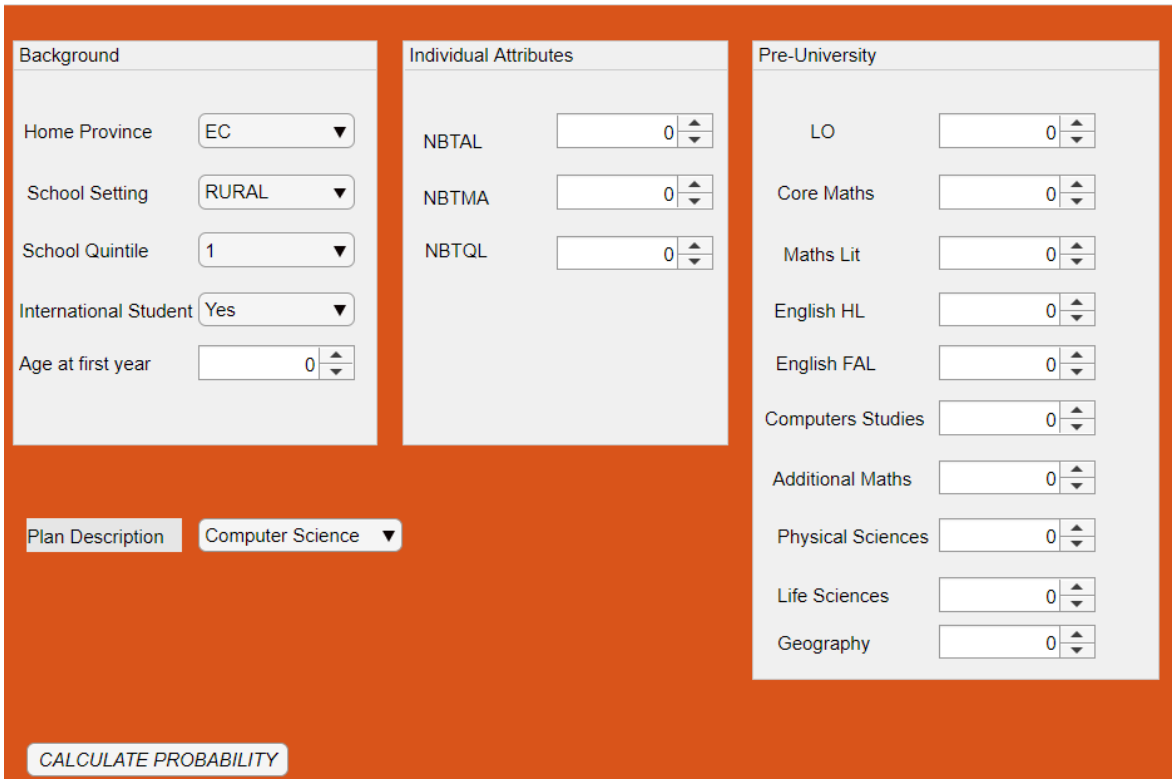
Changed to a different degree that I was likely to pass in/
Still enrolled in the course but would have worked much harder/
I would not have changed anything

h. Do you think a system like this would be beneficial?
i. Yes/No

Prototype 1: Paper prototype:



Prototype 2:


Background
Home Province
EC
School Setting
RURAL
School Quintile
1
International Student
Yes
Age at first year
0
Individual Attributes
NBTAL
0
NBTMA
0
NBTQL
0
Pre-University
LO
0
Core Maths
0
Maths Lit
0
English HL
0
English FAL
0
Computers Studies
0
Additional Maths
0
Physical Sciences
0
Life Sciences
0
Geography
0
Plan Description
Computer Science
CALCULATE PROBABILITY