

Project Description Template

Group Number	44887
Section Number	

Due Date	Sat 2/12
Date of Submission	Sat 2/12

Group Members			
#	Name	ID	Percentage of tasks performed by member
1	Sultan Alenzi	442106994	20%
2	Abdulmalek Shreim	442102541	20%
3	Khalid Alharbi	442103477	20%
4	Abdulmjeed Alromaih	442101425	20%
5	Abdulrahman Alshabani	442102669	20%

Project Title: Education system

Project Description and Specification:

Our project aims for the fresh graduate of high school and the university's student that want to look to universities news, Viewing the time for the universities to open their registration, Viewing universities latest news, Viewing which universities that will accept them based on their high school percentage, Helping them to choose the right university, Viewing the acceptance rate for each university.

Main Features of the project:

Idea#	Main Requirements/Features
1	The user shall be able to login to the system.
2	The user shall be able to register to the system
3	The user shall be able to view the latest news of the universities.
4	The user shall be able to enter their high school percentage.
5	The system shall provide the user with the appropriate university based on their percentage.
6	The user shall be able to search in universities
7	The user shall be able to save university news
8	The user shall be able to view the schedule of the university's registration period
9	The user shall be able to edit his profile
10	The user shall be able to view his profile info.
11	The system shall remind the user when registration period is open

The objectives are met through a series of assignments.

Assignment #1

PART 1: OBSERVATIONS

<i>Participant</i>	<i>Age</i>	<i>Gender</i>	<i>Approach used</i>	<i>Average knowledge of the techniques and technologies used (1-5)</i>
Zaid	19	Male	He searches for colleges admission & acceptance rate in the college via twitter	4
Ahmed Al-Abdulkarim	20	Male	If he wants any information related to the university acceptance rate approval, I ask the administration office.	3
Sulaiman aljarbou	22	Male	If he wants to search for news about the university, He search through Google	4

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Assignment 1 Template

Photo #1	
Caption	Context of the photo: Breakdowns: struggles to find reliable and up-to-date news related to university admissions, scholarships, and educational trends. Clever workaround: follows education-related social media accounts for news updates.

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Assignment 1 Template

Photo
#2

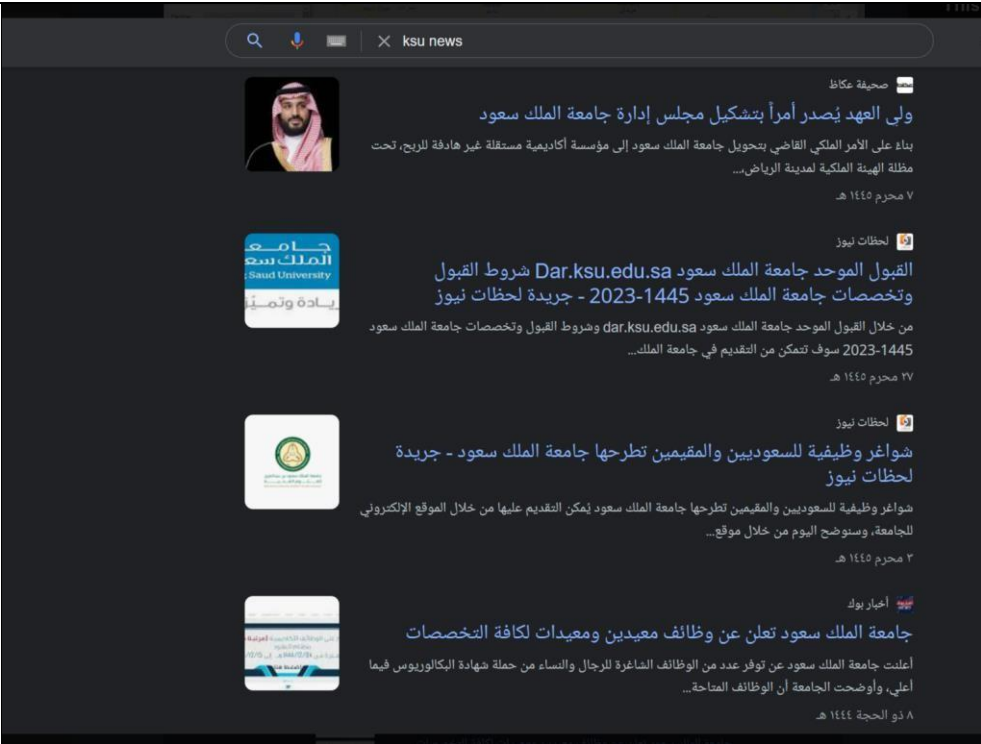


Caption

Context of the photo:
Breakdowns: struggles to efficiently track and support multiple students' university applications and schedules
Clever workaround: uses spreadsheets and emails to manually track students' application progress like excel.
In this photo here is Ahmed Al-Abdulkarim waiting for the support to ask about his acceptance rate.

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Assignment 1 Template

Photo #3	 <p>The screenshot shows the KSU News website with a dark theme. The browser address bar displays 'ksu news'. There are four news items listed, each with a thumbnail image, a title, a brief description, and a date in the Hijri calendar. The first item features a portrait of a man in a red and white thobe. The second item features the KSU logo. The third item features a green circular logo. The fourth item features a blue and white document icon.</p> <p>ولّى العهد يُصدر أمراً بتشكيل مجلس إدارة جامعة الملك سعود بناءً على الأمر الملكي القاضي بتحويل جامعة الملك سعود إلى مؤسسة أكاديمية مستقلة غير هادفة للربح، تحت مظلة الهيئة الملكية لمدينة الرياض...</p> <p>٧ محرم ١٤٤٥ هـ</p> <p>القبول الموحد جامعة الملك سعود Dar.ksu.edu.sa شروط القبول وتخصصات جامعة الملك سعود 2023-1445 - جريدة لحظات نيوز من خلال القبول الموحد جامعة الملك سعود Dar.ksu.edu.sa وشروط القبول وتخصصات جامعة الملك سعود 2023-1445 سوف تتمكن من التقديم في جامعة الملك...</p> <p>٢٧ محرم ١٤٤٥ هـ</p> <p>شواغر وظيفية للسعوديين والمقيمين تطرحها جامعة الملك سعود - جريدة لحظات نيوز شواغر وظيفية للسعوديين والمقيمين تطرحها جامعة الملك سعود يمكن التقديم عليها من خلال الموقع الإلكتروني للجامعة، وسنوضح اليوم من خلال موقع...</p> <p>٣ محرم ١٤٤٥ هـ</p> <p>جامعة الملك سعود تعلن عن وظائف معيدين ومعيدات لكافة التخصصات أعلنت جامعة الملك سعود عن توفر عدد من الوظائف الشاغرة للرجال والنساء من حملة شهادة البكالوريوس فيما أعلي، وأوضحت الجامعة أن الوظائف المتاحة...</p> <p>٨ ذو الحجة ١٤٤٤ هـ</p>
Caption	<p>Context of the photo:</p> <p>Breakdowns: Providing timely responses to prospective students is difficult.</p> <p>Clever workaround: relies on printed brochures and website content for showcasing the university.</p> <p>In the photo above Sulieman want to be up-to-date about the KSU news</p>

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Assignment 1 Template

PART 2: BRAINSTORMING

A list of needs, requirements, goals and tasks inspired by what you observed and collected from your brainstorming session. Go for volume (at least 4 in each and 6 for requirements).

Idea #	Goals
1	Viewing the time for the universities to open their registration.
2	Viewing universities latest news.
3	Viewing which universities that will accept them based on their high school percentage.
4	Helping them to choose the right university.
5	Viewing the acceptance rate for each university.

Idea#	Tasks
1	Search for universities based on high school percentage
2	Filter search for universities by location and college.
3	Browse the latest articles and news feeds.
4	Create profile for user to save their information
5	Notify the users when the registration period is open
6	Track the university registration date and time.
7	Save interesting articles for later reading.

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Idea#	Needs
1	The users have difficulties finding out latest news about universities so the system must be Easy touse and navigate.
2	The users want to have the correct information so the system must be comprehensive and accurate.
3	The users have difficulties looking at all universities scheduling so the system will make it easier forthe user to look at all scheduling of the universities.
4	The users have difficulties determining which university they should choose so the system will helpthem with that.
5	The users must have a look at all universities simply so the system will give them all the details theywill need.

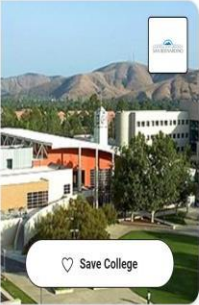
Idea#	Main Requirements/Features
1	The user shall be able to login to the system.
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PART 3: FINDING INSPIRATION

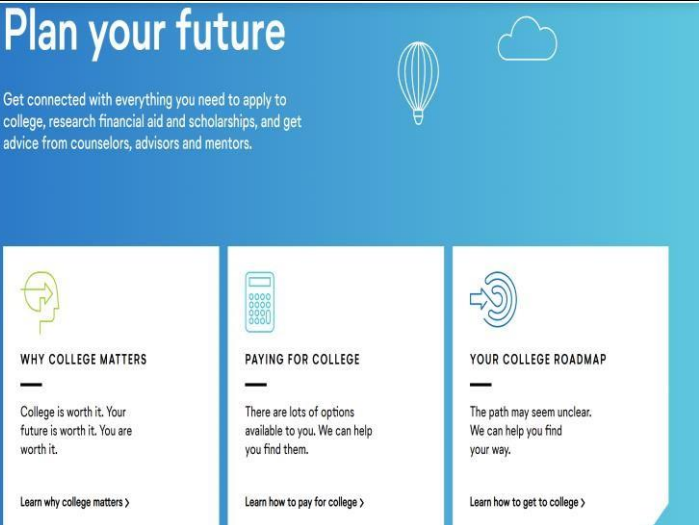
Two existing design or inspirations that are related to your thinking (either physical objects, web sites, or applications). The relationship could be very concrete or very abstract. Give brief explanations of why you chose those designs.

#	Inspiration/ Design Idea (textual description, image, sketch, diagram, etc.)	Explanation of why you chose that inspiration or design (What did you take away from it? What did you learn from it?...In other words, why did it inspire you?)
1	<div><div>Find the Right Colleges for You</div><div>Use the filters to narrow your search and explore colleges.</div><div>4475 Colleges Found</div><div>Sort by ▾</div><div><div><div>California State University: San Bernardino →</div><div>San Bernardino, CA</div><div><div>4-year • Public • Very Large • Suburban</div><div>57% graduation rate</div><div>\$3K average per year after aid</div><div>SAT 858-1070</div></div></div><div></div><div>Save College</div></div><div><div>California State University: Dominguez Hills →</div><div></div></div></div>	<p>I chose (College Board's College Search Tool) as an inspiration because it embodies several key aspects that align with the goals of EduSys:</p> <ul style="list-style-type: none">1- User-Friendly Interface2- Customization and Personalization3- Data Integration

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2		<p>I selected the (Common Application) as an inspiration because it offers valuable insights and design principles that align with the goals of EduSys:</p> <ol style="list-style-type: none">1- Streamlined Application Process2- Accessibility and Inclusivity
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Assignment #2

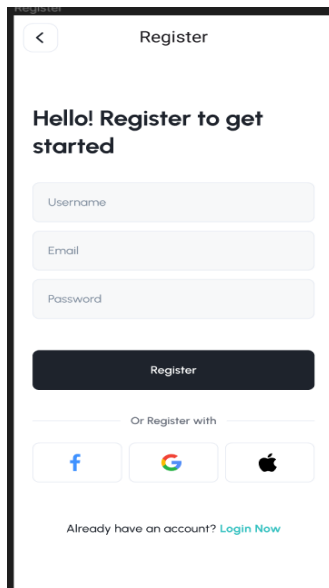
INTRODUCTION:

Our project aims for the fresh graduate of high school and the university's student that want to look to universities news, Viewing the time for the universities to open their registration, Viewing universities latest news, Viewing which universities that will accept them based on their high school percentage, Helping them to choose the right university, Viewing the acceptance rate for each university.

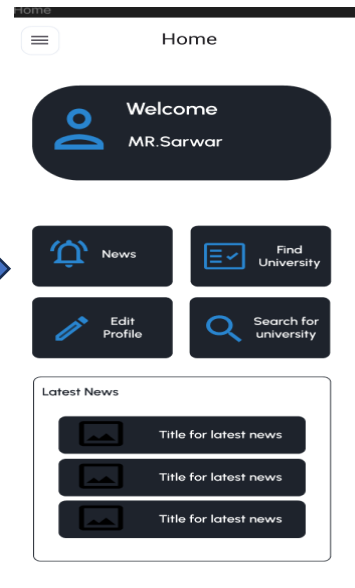
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PROTOTYPE SCREENSHOTS:

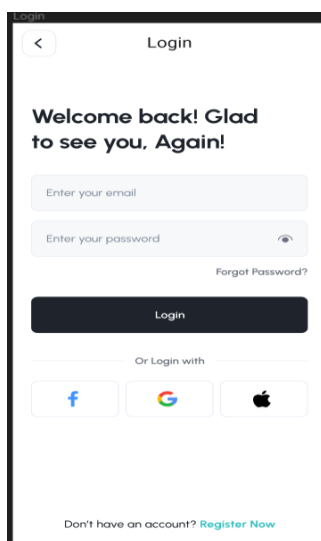
1 success register



press register



2 Success login

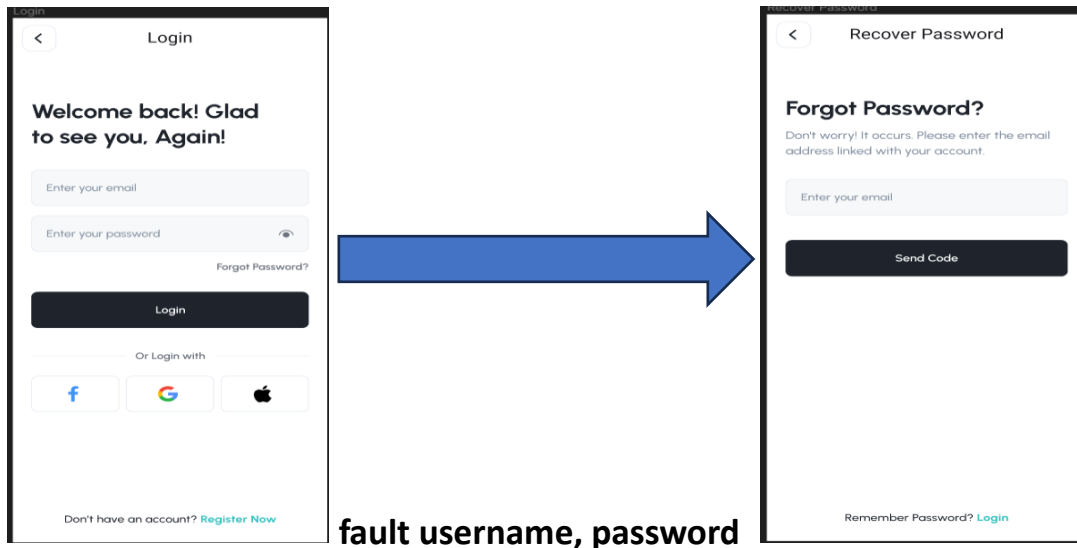


press login

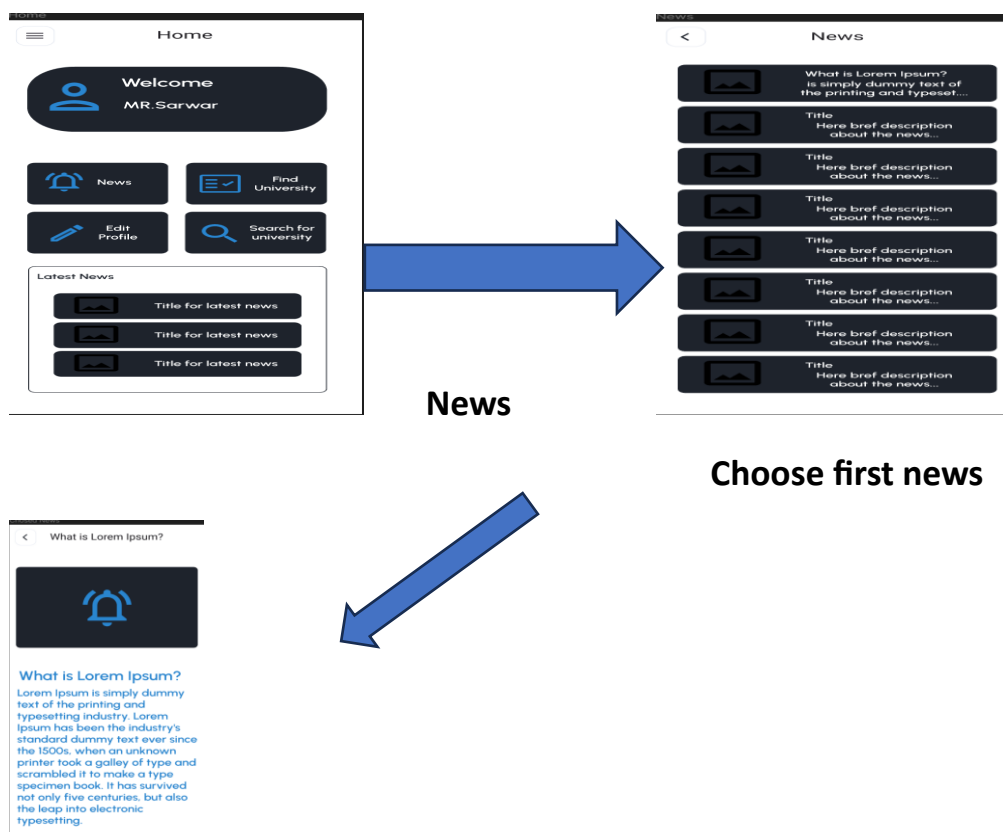


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3 recover password

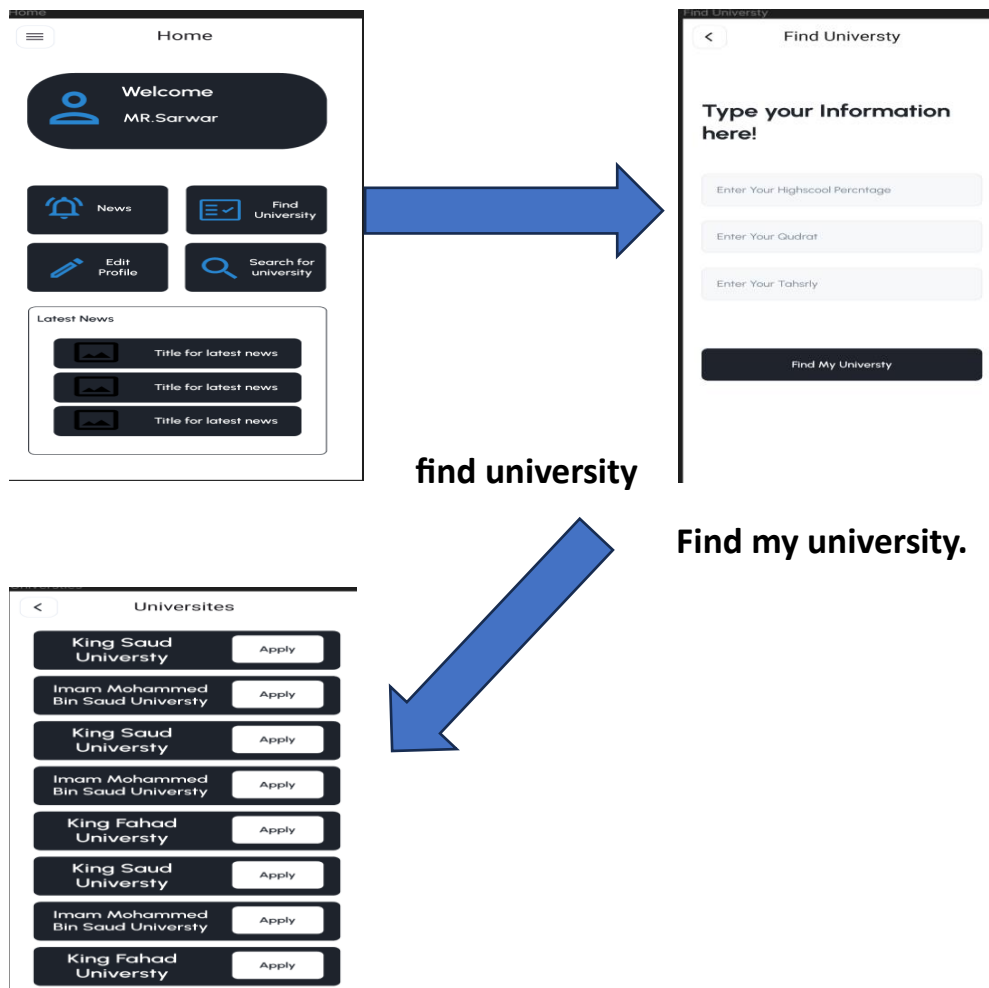


4. news event flow



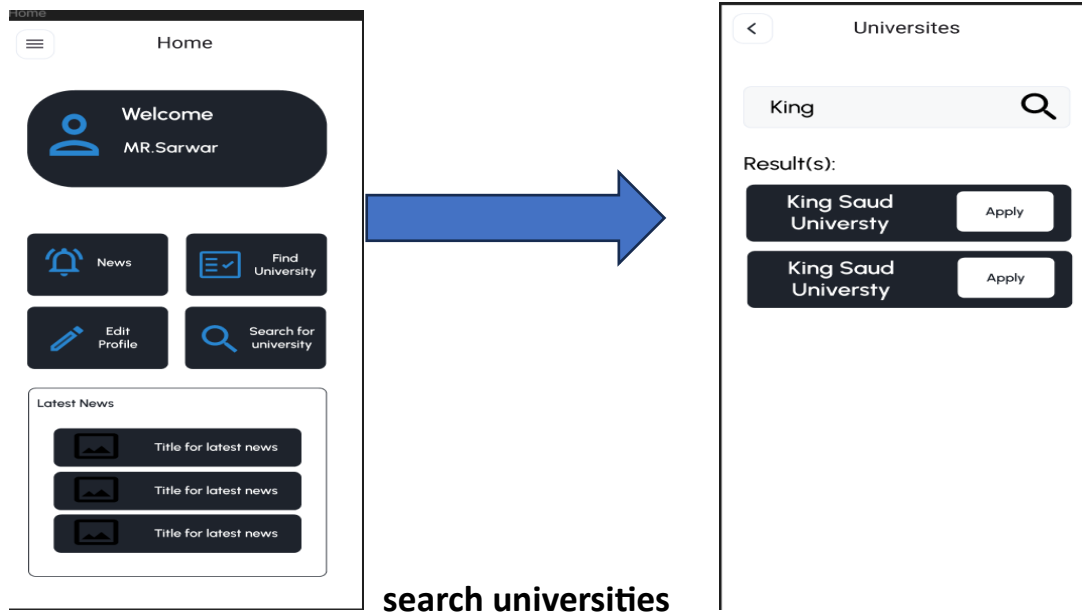
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5 find universities

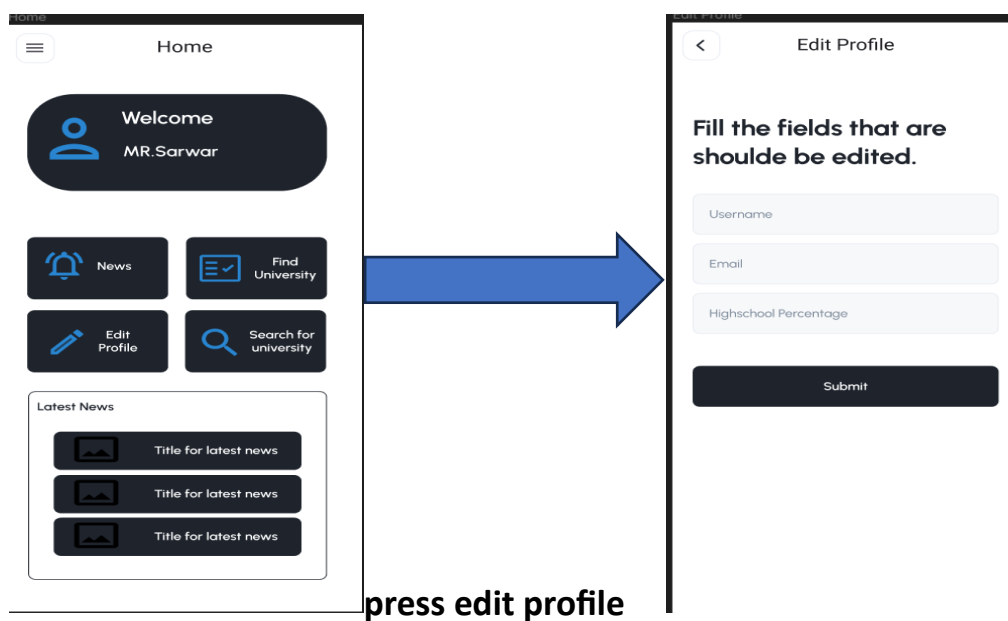


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6 search universities



7 edit profile



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Assignment #3

HEURISTIC EVALUATION

Project under evaluation/ Group number:

Evaluator Group number:

Section number: 31332

Section number: 88447 (10:00 to 10:50)

Student name	UID
Suliman Alasim (Leader)	442101493
Abdulrahman Alomrani	442102874
Abdullah Aldakhil	442106013
Salman Aldhalaan	442103078
Anas Alsubaie	442102378

Student name	UID
Sultan alenzi(Leader)	442106994
Abdulmalek Shreim	442102541
Khalid Alharbi	442103477
Abdulmjeed Alromaih	442101425
Abdulrahman Alshabani	442102669

Problem Number	Location	Relevant Heuristics / design principles	Problem Description
1	Academic page	Match between system and real world	The system is not using language that is familiar to the the absence rate column is labeled "Absence rate" inste of classes missed".

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2	Academic page	Efficiency	The system is not efficient to use. For example, the student has to click on the 'Academic' link and then click on the 'Schedule' link to see the full academic schedule.
3	Home page	Consistency and standards	The system is not using consistent design elements and standards throughout the interface. For example, the font size and color vary in the different columns of the table.
4	Home page	User control and freedom	Give users the ability to undo and redo actions, and to return to previous states easily.
5	calendar page	Visibility of system status	The calendar does not show any indication of whether there are upcoming classes or assignments.
6	calendar page	Match between system and real world	The system is not using the appropriate icons, for example, to the calendar the system must put add icon instead of a minus icon.
7	Event page	Error prevention	The system isn't doing enough to prevent errors. For example, there is no validation to prevent the user from entering an invalid date for an event.
8	Event page	Aesthetic and minimalist design	There is a problem in the design which is using useless elements. The scroll sidebar, it is there for no reason.
9	Page 3	Match between system and real world	There is a mismatch between real life application and the system. For example the unread messages should be on the top, in the system it does not come on top.
10	Page 3	Match between system and real world	The system does not use language that is familiar to users. For example the list of alumni is labeled "Contact with college Alumni" something more familiar to users, such as "Alumni directory" or "alumni".
11	Contact	Consistency and standards	There is a problem in the format of the date, for example, the message received on (Today 9:31) and the message received on (9:30 AM).

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12	store	Flexibility & efficiency of use	There is a problem for the efficiency in the design of the example there is no search bar, there is no shortcuts.

Design Recommendations:

- 1- Provide clear and timely feedback on the current state of the system.
- 2- Make sure that the system is always in a state that is consistent with the user's expectations.
- 3- Follow real-world conventions and metaphors
- 4- Use language and concepts that are familiar to users. Avoid using technical jargon or acronyms.
- 5- Follow platform standards whenever possible. This will make the system more familiar to users and reduce the learning curve.
- 6- Provide users with the ability to undo or redo actions. This will allow users to recover from errors without having to start over.

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Assignment #4

Group Number	
Section Number	44887

Assignment Number	5,6 and 7
Due Date (both sections)	
Presentation Date	<i>Thu 30/11/2023</i>

Group Members			
#	Name	ID	Percentage of tasks performed by member
1	Sultan Alenzi	442106994	20%
2	Abdulmalek Shreim	442102541	20%
3	Khalid Alharbi	442103477	20%
4	Abdalmjeed Alromaih	442101425	20%
5	Abdulrahman Alshabani	442102669	20%

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Part 1: Evaluation Plan

This evaluation plan aims to evaluate our user interface design using various method, either by passive methods using questionnaire, or active methods using videotaped. There a limitations about the predictable method using cognitive walkthrough because It needs experts to evaluate. However, we took 5 people to participate in this evaluation method. This report will covers different aspects of evaluation, it will cover usability test by introducing the participants and their info, the timeline taken by each participant, context of testing, feedbacks, and tasks, and it will also covers usability results, and recommendations.

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PART 2: USABILITY TESTS

2.1 Participant Profiles

Here are the participants which my colleagues in university.

Participant name	Age	Gender	Average knowledge of similar systems (1-5)	Use of handheld device or computers (1-5)
1 Sulieman	21	Male	3	2
2 Salman	21	Male	3	3
3 Abdullah	21	Male	3	4
4 Abdulrahman	21	Male	3	1
5 Anas	21	Male	3	4

2.2 Timeline

Participant name	Day	Date	Start session time	Finish session time	Duration of session
1 Salman	1	18/11	1:00 PM	1:50 PM	50 min
2 Abdullah	2	19/11	2:00	3:00	1 hour
3 Sulieman	2	19/11	2:15 PM	3:00 PM	45 min
4 Anas	3	20/11	1:00 PM	2:30 PM	1 hour & 30 min
5 Abdulrahman	3	20/11	1:00 PM	2:00 PM	1hour

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2.3 Context of the Testing

participant	location
Anas	Online
Salman	Online
Sulieman	At college
Abdullah	At class room
Abdularahman	online

2.4 Performance Measures and Feedback

Metric	How was it measured?	How was the data created/captured?
Effectiveness	Task success, Number of Errors	Taking notes while there give opinions
Efficiency	Time on Task	By observation working
Satisfaction	User surveys/interviews	Using Closed-open questions

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2.5 Tasks

Task #	Task (as it is was presented to users)	Objective of the task (What was this task designed for capturing?)
1	Navigation	The navigation between pages
2	Structure	How elements grouped
3	Visual design	The big picture of design
4	Readability	Ability to see the labels and meaning of these labels
5	Consistency	Check the elements design have same consistent

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PART 3: USABILITY RESULTS

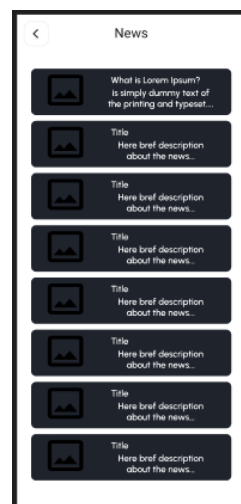
3.1 Critical Problems

- 3.1.1 user cannot be able to log out from the system, no choice of exit In home page.



3.2 Major Problems

- 3.2.1 The navigation without showing the path to user.



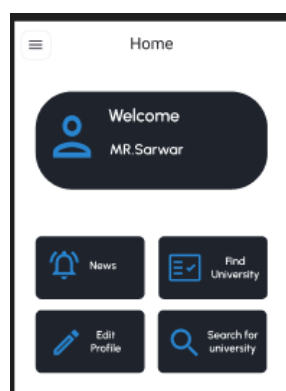
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- 3.2.2 No search bar. If the user wants specific news title he should search for entire the news, what if the news are hundreds?



3.3 Minor Problems

- 3.3.1 Using same meaning labels in buttons, find university and search for university are same meaning.



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Part 4: Recommendations

This section will introduce some of the solutions that are recommended to solve each problem.

Usability Issue	Recommendation	Severity (Critical/Major/Minor)
3.1.1	Adding logout button to able user to logout	Critical
3.2.1	Show the full path by adding bellow of the page label the full path from home until current screen	Major
3.3.1	Change Find university to Appy for university	Minor
3.2.2	Add search filter to able user to find suitable contents	Major

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PART 5: APPENDIX