



Middlesex
University
Dubai

Initial Draft

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LITERATURE REVIEW

Introduction

Our mission In addition to receiving a free education in which they will be taught subjects such as information technology, computer sciences, programming, and a wide variety of others, the children who attend Darsgah will also have the opportunity to gain valuable life lessons, knowledge, and experiences, as well as strengthen their leadership abilities. The mission of Darsgah is to provide charitable facilities such as food, clothes, and money as well as free education. Several students who have a lot of potentials deserve an education, but unfortunately, they are unable to receive an education of sufficient quality due to the obstacles they face such as financial issues. These students deserve an education so that they can do the best they can for the world.

Along with that, we will provide online education for certain children, such as girls who are not permitted to step outside of their homes for security reasons, and provide them with opportunities right on their doorstep. Because of this, we as an organization will put in impeccable and effective efforts to provide and nourish them with facilities they are unable to provide for themselves, such as uniforms and e-books. In addition, we will provide financial assistance to the children so that they may pursue educational opportunities in other countries and set themselves up for a prosperous future.

In addition to that, we also offer services for donating, which means that anybody will be free to donate anything they wish to donate, regardless of whether it will be food, clothes, money, or any of the many other services that we offer. However, a number of people have concerns about their own safety, which makes them hesitant to make a donation. With this in mind, we will offer them access to a website through which they can send their contributions directly to those in need, and they will have the peace of mind of knowing that their contributions will be delivered successfully.

Types of Qualified Charities

There are three type of qualified charities: Public Charities, Private foundation and private operating foundations. Here's what to know about each:

Public Charities: These organizations receive financial backing from the government and engage in endeavors that are beneficial to the populace as a whole.

Private foundations: are charitable organizations that receive their funding from private sources and focus on specific causes.

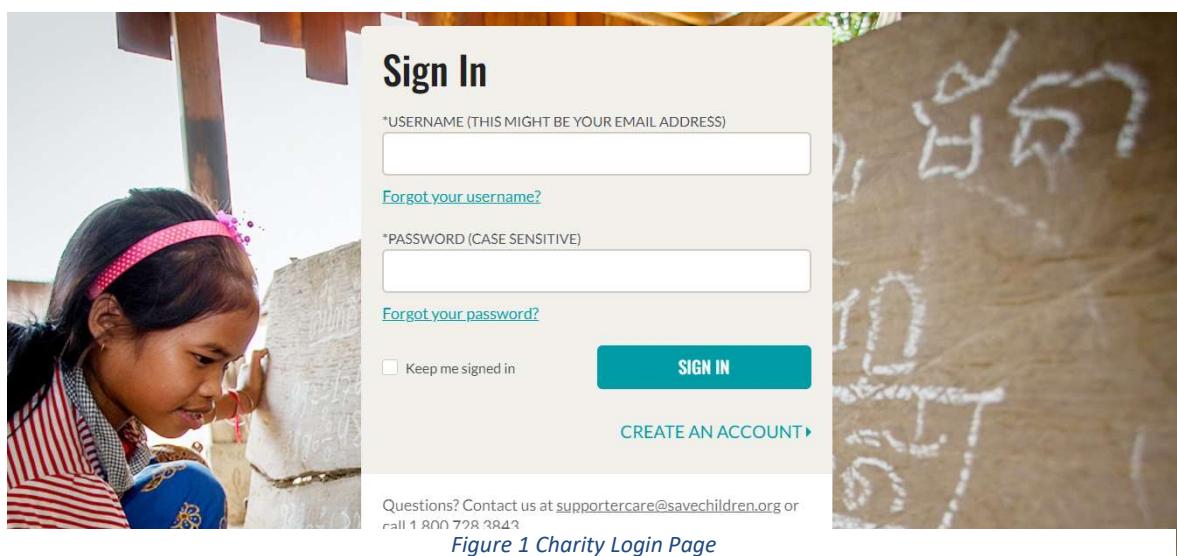
Operating foundations: are establishments that, rather than donating their resources to other charitable organizations, prioritize the execution of their own policies and procedures.

Analysis of existing charity website

The mission of Save the Children, a non-governmental organization (NGO) with operations around the world, is to make the lives of children everywhere better. The website of Save the Children functions as a forum for the organization to share information about its initiatives and programs with the general public, raise awareness of the challenges that children in different parts of the world face, and make appeals to the public for financial contributions and other forms of support. The website is broken up into several sections that provide information about Save the Children's history, mission, and projects. It also provides users with the opportunity to make donations, get involved, and gain a deeper understanding of the issues that the organization is working to address.

(Save the Children) Login Page

On the website of Save the Children, the "login" page is a protected area where registered users can view the details of their accounts and control how they communicate with the charity. Users can log in to this page using their username and password to view and update their personal information, view their donation history and receipts, sign up for email newsletters and other communications, manage their volunteer activities or other engagements with the organization, and more.



This page also allows users to sign up for email newsletters and other communications. On the screen where users log in, new users may have the option to register for an account or change their password if they have forgotten it.

Home Page

When visiting the Save the Children website, most visitors will initially go to the homepage before navigating to other parts of the site. The purpose of the homepage is to provide visitors with both an overview of the organization and its mission, as well as direct access to the most important information and resources available on the website. Home pages typically consist of a number of different components, such as:

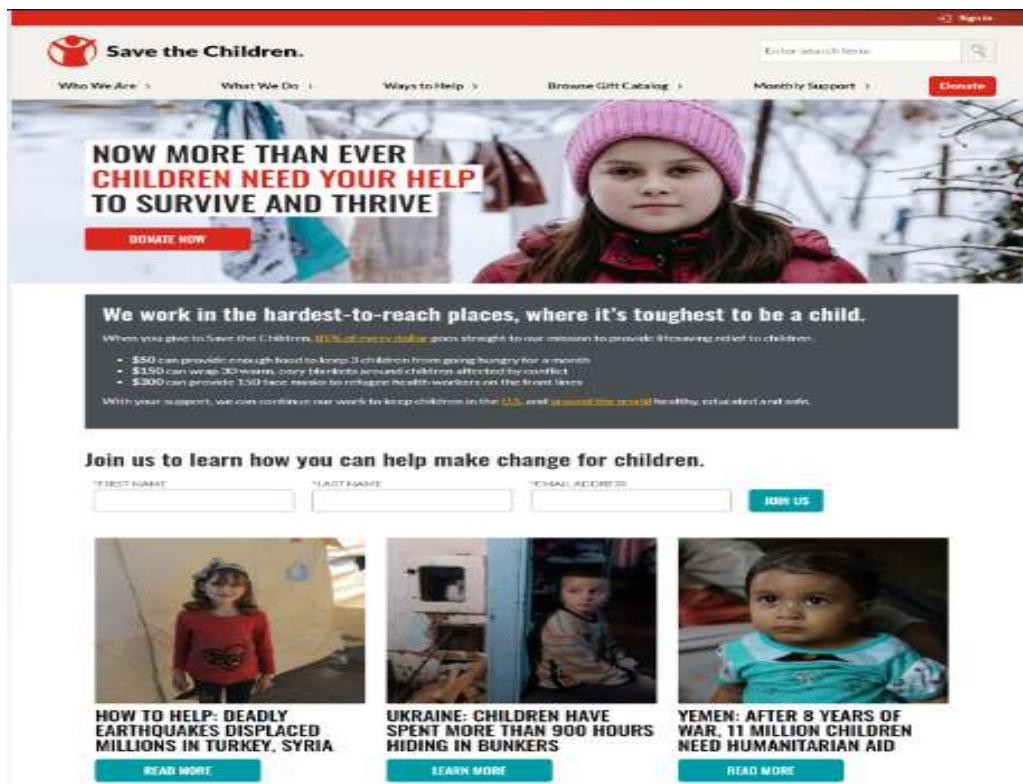


Figure 2 Charity Home Page

- The header area makes prominent use of the organization's logo and navigation menu and features both of these elements.
- An overview of the organization and its mission.
- Through the use of calls to action, visitors are prompted to participate in specific programs or initiatives, make donations, or gain additional knowledge about those programs or initiatives.
- A section that provides an overview of the most recent activities-related news or events pertaining to the organization.

- The organization's various online presences, including social media profiles and other internet outlets
- Stories, films, and other forms of content that are highlighted and demonstrate the impact that the organization's work has had.
- Upcoming events or campaigns.
- A part of the footer offers additional links and resources, such as contact information, privacy policies, and terms of service.

Research Methodology

In order to collect both qualitative and quantitative data, a survey of a very large population was carried out as a component of the primary study. In addition, a review of the existing body of research was carried out as a component of the secondary research. As a result of this study, a variety of data and information were discovered.

Survey

I was able to create this form with the assistance of google forms. This survey has a total of 14 questions, and they cover topics such as the significance of charity, what you already know about the organization in question, and whether or not you give donations to other organizations. In addition, which method of payment do you favor for donations, and which types of donation methods do you choose? This survey asks a total of 14 questions, 13 of which are open-ended and one of which is closed-ended. Using a Google Form, the survey was automatically processed, and a spreadsheet was developed to calculate the percentage of responses using graphs and charts.

System Requirements

UML Diagram

To illustrate the functionality of the system, a UML use case diagram will be connected between the use cases and the actors. The functions, services, and operations of the web application are all represented by this diagram. This line is used to demonstrate the website as well as the use case. Entities that are part of this network and have linkages to one another and operate according to clearly delineated responsibilities.

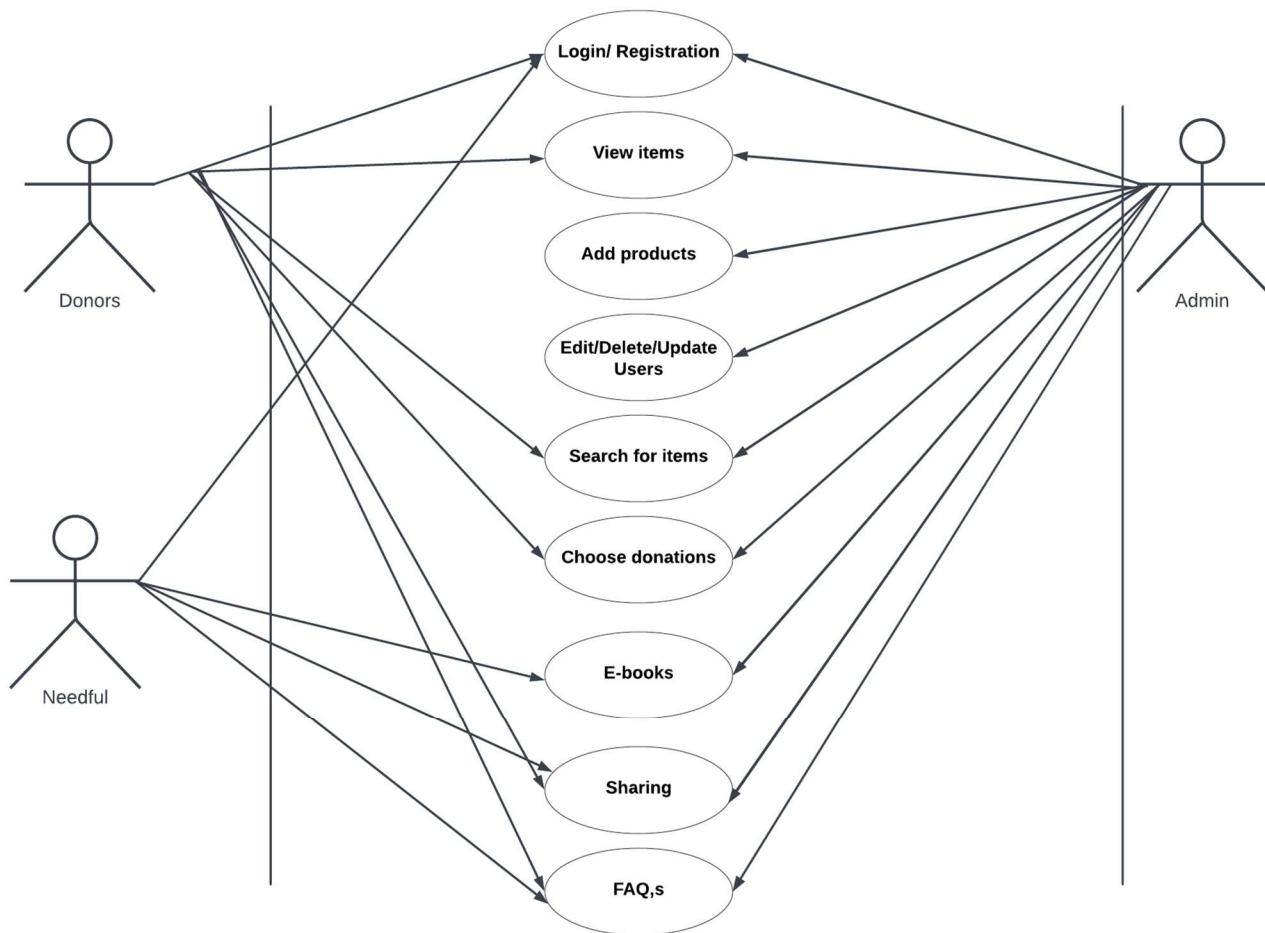


Figure 3 UML Diagram

ER Diagram

In database architecture, a structural diagram known as the Entity Relationship Diagram (ERD), also known as the ER Diagram or the ER model, is utilized. An entity-relationship (ER) diagram is a graphical representation of entities and the relationships between those entities.

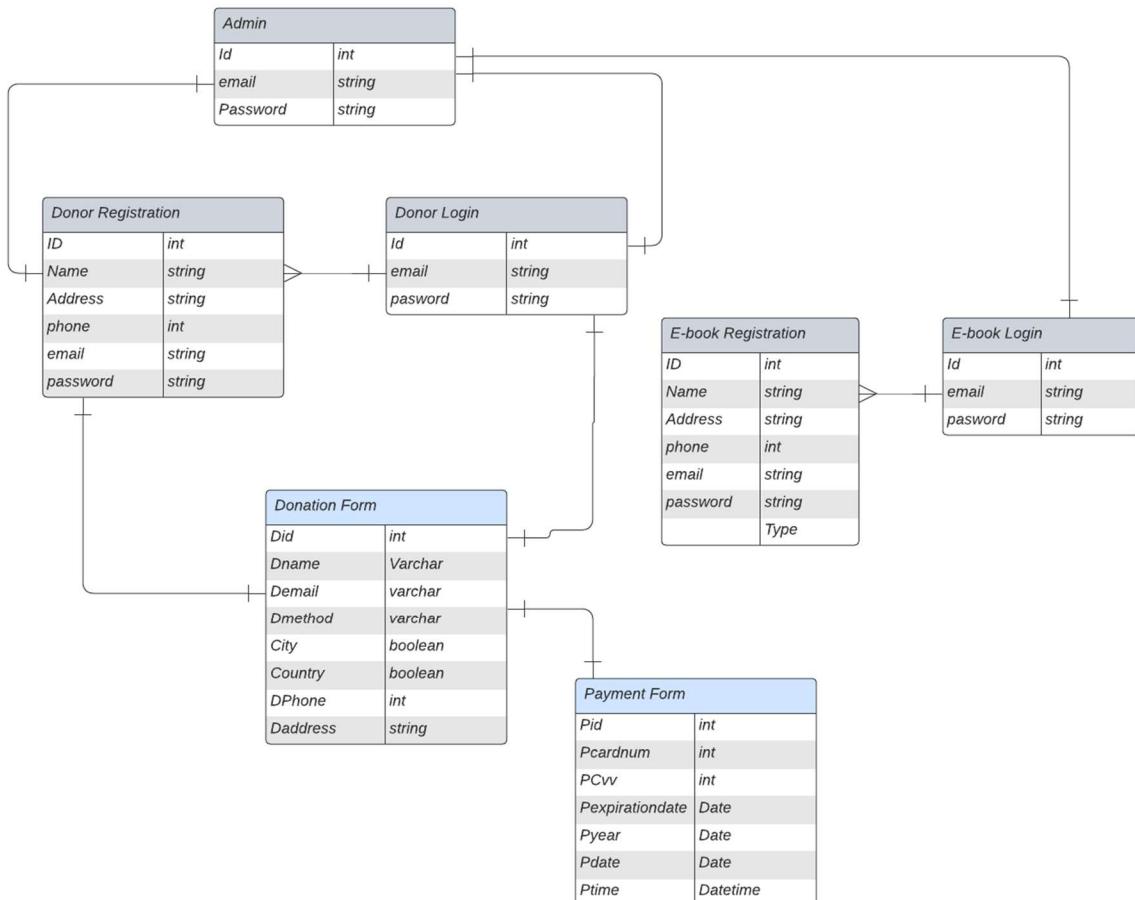


Figure 4 ER Diagram

Class Diagram

In software engineering, a class diagram is a type of static structural diagram that depicts the structure of a system by displaying the system's classes, their attributes, operations (or methods), and the connections between objects. Class diagrams are created using the Unified Modeling Language (UML), which is a type of modeling language.

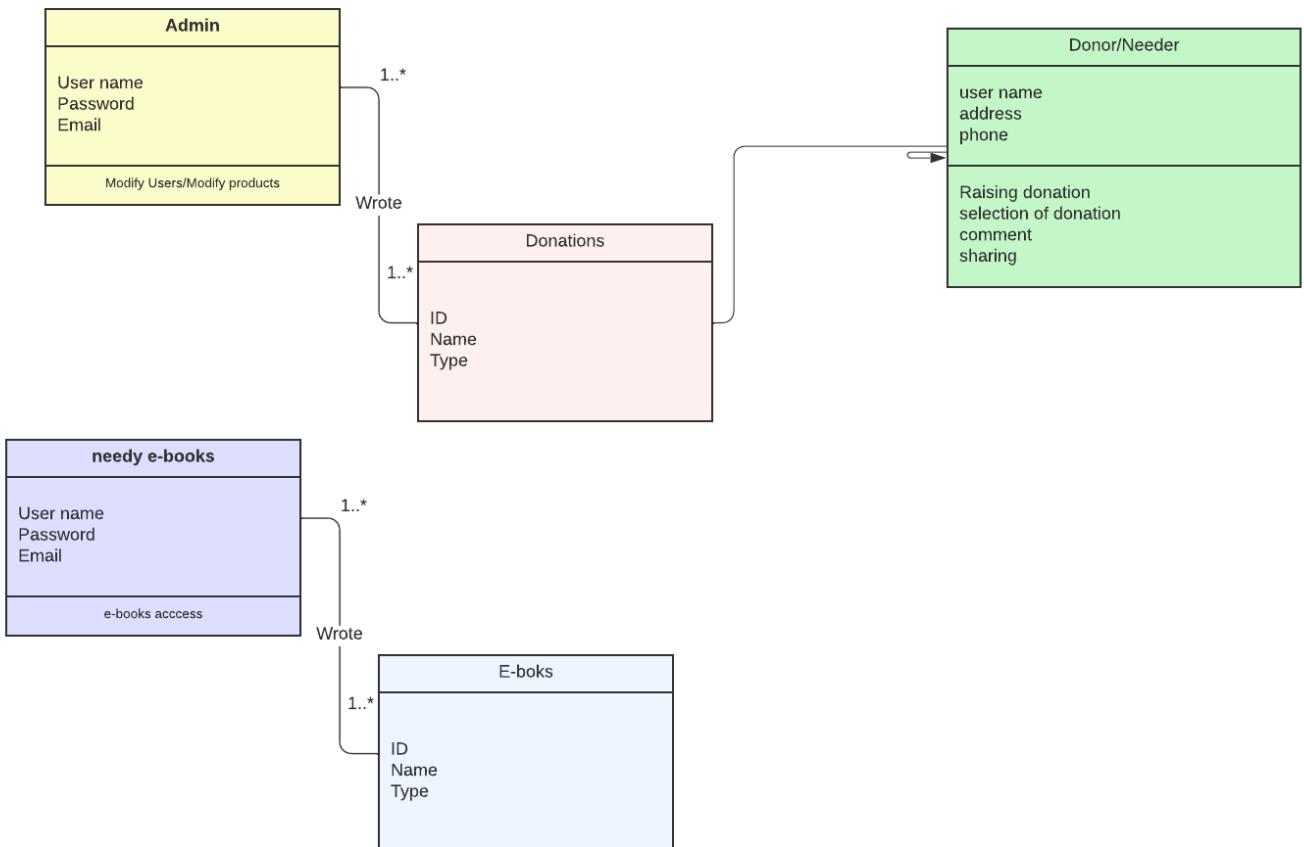


Figure 5 Class Diagram

Features

- Donor Registration
- Needy Registration
- Admin Panel
- Online study Portal
- Donation Form
- Donor received email
- Donation category
- E-books Form

Tools

Miro: The prototype tool known as Miro is going to be utilized in the process of designing the user interface for the web application.

Google form: Google Forms is an online application that is available for free use and enables users to create surveys as well as quizzes. The research for this project is carried out with Google Forms, which are then given to participants. Google Forms are also used to assist in the analysis of survey results.

Visual studio code: Visual Studio Code is a free coding tool that enables rapid code development and can be downloaded from the official website. It enables you to code in the programming language of your choice without requiring you to switch editors. Visual Studio Code supports a wide variety of programming languages, including Python, Java, C++, and JavaScript, among others. This application will be used while the project is in the development phase (the Visual Studio code for this phase is 2022).

MySQL: MySQL is a relational database management system (RDBMS) developed by Oracle that makes use of structured query language (SQL) in order to insert, read, and perform analysis on data that is stored in a database (MySQL2022).

Requirement specifications

Functional requirement

The functional requirements for the Darsgah Charity will include a number of software requirement specifications, Registration, donation, including database management logout and payment, and logout.

New Registration: The system ought to permit charitable organizations to register and supply the necessary information about their group during the registration process.

Donation: Users of the system should be able to make donations to a variety of organizations and manage those donations using the platform.

Payment process: It is important that a variety of payment methods, including credit/debit cards, e-wallets, and bank transfers, be supported, and that all transactions involving money be handled securely.

Database: Donor information needs to be provided; each donor and person in need needs to provide their first and last name, phone number, nationality, city, and identification number.

Integration of social media channels: The system ought to make it possible for charitable organizations to integrate their various social media channels and promote their campaigns across a variety of different platforms.

Non-Functional requirement

The security, scalability, performance, accessibility, and usability of a charity organization's website are all examples of non-functional criteria that may be considered.

Security: The system should follow relevant data privacy rules and regulations, such as the GDPR and CCPA, and safeguard users' personal information.

Scalability: The system should be able to accommodate a growing number of organizations as well as donations, and it should also be scalable.

Consumer service: Users who are interested in receiving assistance with the platform ought to be able to access customer support that is both responsive and helpful.

Hardware & Software Requirements

Software Requirements

- **HTML:** HTML defines several elements such as headings, paragraphs, lists, tables, and more to give structure for web pages. This aids with the organization of content and makes it easier to read.
- **CSS:** CSS enables for the separation of web page content and presentation. This means that HTML is used to structure web page content, and CSS is used to style and show that content.
- **Bootstrap:** Bootstrap includes a library of pre-designed UI components such as forms, buttons, icons, and navigation menus that may be readily changed to meet your specific requirements. When compared to constructing these components from scratch, this saves a significant amount of time.
- **JavaScript:** JavaScript is a client-side scripting language, which means it runs in the user's web browser rather than on a server. JavaScript may modify the HTML and CSS of a page in real-time, allowing for more responsive and dynamic user interfaces.
- **PHP:** PHP is use for backend to connect database and work on functions. This simplifies the development of complicated web apps that require data storage and retrieval.
- **MySQL:** In web development, MySQL is frequently used to handle and store website data like user profiles, comments, and product listings.
- **Figma:** User interfaces (UI) for websites, mobile apps, and other digital products are frequently designed with Figma. Wireframes, mockups, and high-fidelity designs that can be shared and tested with stakeholders can be produced by designers using Figma.
- **Adobe XD:** User interfaces, websites, mobile apps, and other digital designs can be created with the design and prototyping software Adobe XD. Designers, programmers, and product teams use Adobe XD because it is built for collaboration.

Hardware Requirements

- HP Laptop
- Mobile
- Network
- Graphics

User Interface Requirements

Simple and Intuitive Design: The design of website must be simple and intuitive, making it easy for visitors to navigate and find what they're looking for. Using clean and consistent layout with easy-to-understand icons and buttons.

Clear Navigation: The navigation menu should be easily visible and accessible. Label menu items clearly and concisely, and arrange them logically.

Mobile Responsive: Website must be optimized for mobile devices. This means it should be responsive and adjust to different screen sizes and resolutions.

Donor-friendly Interface: Make it simple for donors to donate by providing a user-friendly donation interface. Offer a variety of payment choices and make sure the transaction is swift and secure.

References

Types of Charitable Giving: The ABCs of Donations - Cope Corrales
<https://copecorrales.com/articles/types-of-charitable-giving>

Accessed: 2023-04-11

Humanitarian Aid Organization for Children | Save the Children
<https://www.savethechildren.org/>

Accessed: 2023-04-11

Online Charity Use Case Diagram - Student Projects Live
<https://www.studentprojects.live/use-case-diagram/online-charity-use-case-diagram/>

Accessed: 2023-04-12

The Life You Can Save - Best Charities of 2023
<https://www.thelifeyoucansave.org/>

Accessed: 2023-04-21

Appendix-A Google Survey Questions

Questions Responses 15 Settings

Darsgah Charity

Darsgaah Is a charity base NGO. We are providing facilities to those who are not financially stable. Our services is like, Food, Free tutor for those who are not available to go outside because of bad environment or financial issues, Moreover we are providing School uniforms, and students school fees who want to get education but unfortunately they are not afford there schools fees.

Email *

Valid email

This form is collecting emails. [Change settings](#)

Have you ever donated to a charitable organisation before? *

Yes

No

What types of charitable causes are you most interested in supporting? *

Education

Healthcare

Poverty alleviation

Environmental protection

Animal welfare

What types of donation methods do you prefer?

One-time donation

Monthly subscription

Crowdfunding

In-kind donation

How likely are you to donate to a charity that specifically supports student fees or food items *
for the needy?

- Very likely
- Somewhat likely
- Not likely
- Not at all likely

How important is transparency in a charity organisation? *

- Very likely
- Somewhat likely
- Not very likely
- Not at all important

What types of content or information would you like to see on our charity website? *

- Success stories and impact reports
- Information on the cause we support
- Information on how donations are used
- Information on the organization's leadership and team

What is the primary device you use to access the internet?

- Desktop Computer
- Laptop
- Tablet
- Smart Phone

How likely are you to use an online tutoring service if it was offered for free by a charitable organization? *

- Very likely
- Somewhat likely
- Not very likely
- Not at all likely



What types of financial assistance do you think would be most beneficial to offer to needy families? ***

- Food assistance
- Education assistance
- Rent assistance
- Utilities assistance



What payment method do you prefer for making donations online? *

- Credit card
- Bank transfer
- Paypal
- Other

How important is social media presence when considering donating to a charitable organisation? *

- Very important
- Some what important
- Not very important
- Not at all important



How important is access to education for you and your family? *

- Important
- Very important
- Not very important
- Not at all important

How often do you think you or someone in your family would use online tutoring services if they were available for free? *

- Daily
- Weekly
- Monthly
- Infrequently

How likely are you to donate to a charitable organisation that provides online tutoring and financial assistance to needy families? ***

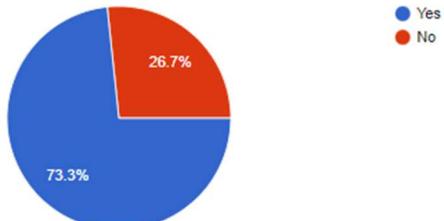
- Very important
- Somewhat important
- Not what important
- Not at all important

Appendix- B Survey Results

Have you ever donated to a charitable organisation before?

 Copy

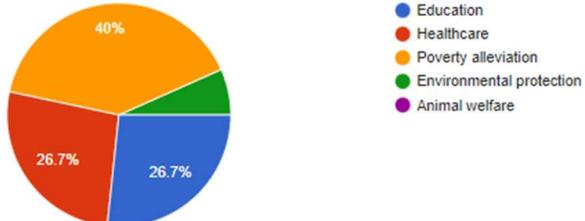
15 responses



What types of charitable causes are you most interested in supporting?

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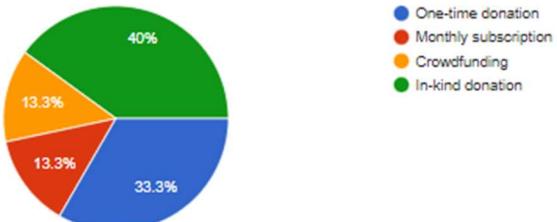
15 responses



What types of donation methods do you prefer?

 Copy

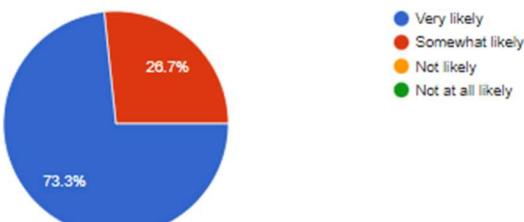
15 responses



How likely are you to donate to a charity that specifically supports student fees or food items for the needy?

 Copy

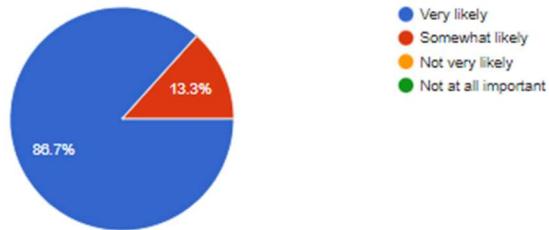
15 responses



How important is transparency in a charity organisation?

15 responses

 Copy



What types of content or information would you like to see on our charity website?

15 responses

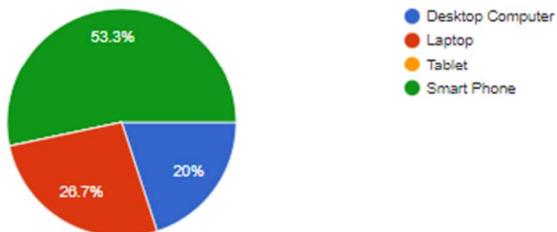
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What is the primary device you use to access the internet?

15 responses

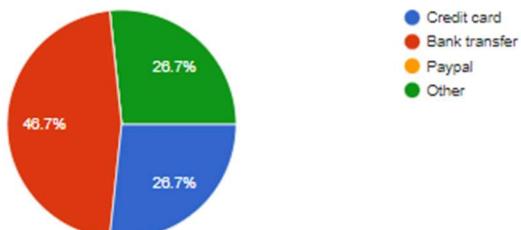
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What payment method do you prefer for making donations online?

15 responses

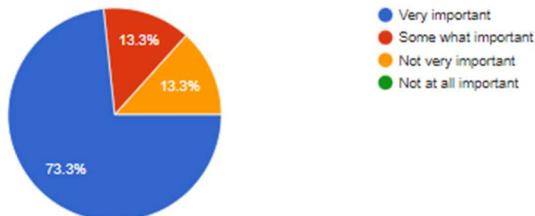
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How important is social media presence when considering donating to a charitable organisation?

15 responses

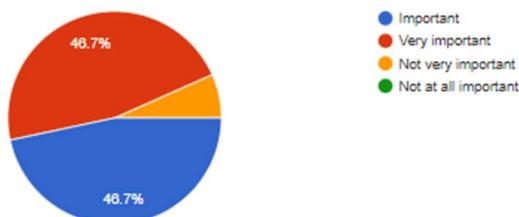
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How important is access to education for you and your family?

15 responses

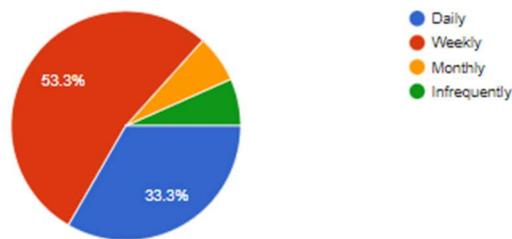
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How often do you think you or someone in your family would use online tutoring services if they were available for free?

15 responses

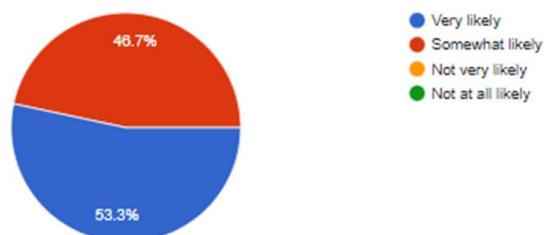
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How likely are you to use an online tutoring service if it was offered for free by a charitable organization?

15 responses

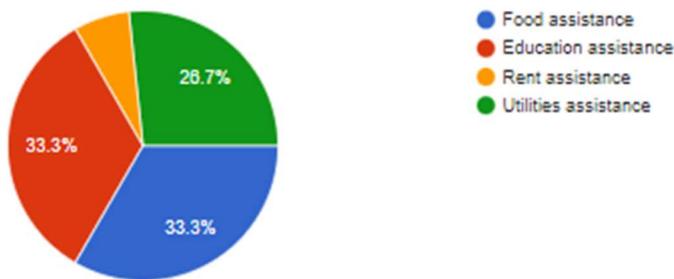
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What types of financial assistance do you think would be most beneficial to offer to needy families?

 Copy

15 responses

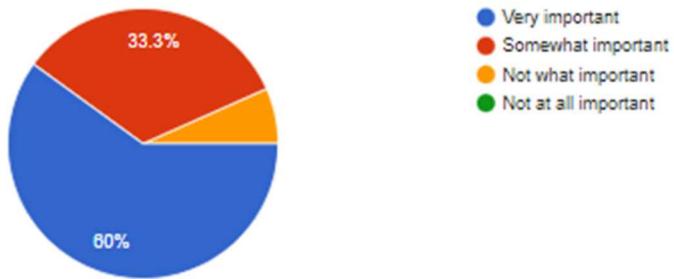


- Food assistance
- Education assistance
- Rent assistance
- Utilities assistance

How likely are you to donate to a charitable organisation that provides online tutoring and financial assistance to needy families?

 Copy

15 responses



- Very important
- Somewhat important
- Not what important
- Not at all important

Appendix-C Ethics Form



Application for Ethical Approval for Research Projects

This is an application form for ethical approval for research undertaken by any Middlesex University Dubai staff and students. The person who completes this form should be the principal (or sole) Middlesex University Dubai researcher on the proposed study. After completion, this form (along with accompanying documents) should be submitted to the Research Ethics Committee (REC) for review. Student Researchers should submit to their Supervisor.

Section 1 – Applicant details

1.1 Details of Applicant (Principal Investigator or Student Researcher)		
Name: Fahad Ali Khan	Department/Position: Information Technology	
Qualifications: BSc Information Technology	Email: fahadkhan09922@gmail.com	Tel: +971-582366489
1.2 Details of Supervisor for student applicants (if applicable)		
Name: Chinnu George	Programme of study/module: Information Technology	
Qualifications:	Email: c.george@mdx.ac.ae	Tel:
1.3 Details of any co-investigators (if applicable)		
Name:	Organisation:	Email:
Name:	Organisation:	Email:
Name:	Organisation:	Email:
1.4 Details of External Funding (if applicable)		

Section 2 – Details of the proposed study

2.1 Research project title	Darsgaah Charity		
2.2 Proposed start date	Week 8	2.3 Proposed end date	Week 24
2.4 Describe the aim and rationale of this study?			
The purpose of this project is to provide facilities to those who are struggling with financial issues and unemployment. It will also help students by providing uniforms, covering school fees, and offering online education. We are also providing e-books to students. Moreover, donors can easily donate through online payment methods. In case the donor does not trust us, we are giving the details of needy individuals so that they can donate directly to them. Donors will be able to track how their donations are being utilized.			
2.5. Discuss the research questions and/or hypotheses of this study?			
Have you ever donated to a charitable organization before? What types of charitable causes are you most interested in supporting? What types of donation methods do you prefer? How likely are you to donate to a charity that specifically supports student fees or food items for the needy? How important is access to education for you and your family? How often do you think you or someone in your family would use online tutoring services if they were available for free? How likely are you to use an online tutoring service if it was offered for free by a charitable organization? What types of financial assistance do you think would be most beneficial to offer to needy families? How likely are you to donate to a charitable organization that provides online tutoring and financial assistance to needy families?		These questions aim to understand the individual's opinion on the importance of transparency, preference regarding content, preferred device for internet access for donations and payment method. Some questions aim to understand potential demand, opinion on importance and willingness to use free tutoring services to analyse if the individuals like to donate to strong social media presence or value free education/ services.	



2.6 Details of study design, data collection methods to achieve the research aims (e.g., interviews, questionnaire, observation etc.) and/or secondary data sources (e.g., National Statistics) to be used in the research, proposed hypotheses, data analysis, with references and citations (where applicable). Include details of any online data collection (ie online survey, via social media).

Information for the study will be mined from secondary sources such as websites and a survey that will be sent out using Google Form to elicit responses to research questions. These are examples of secondary sources.

Section 3 – Initial Checklist to be completed by the applicant

3.1 Does this research involve human participants	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If yes, please provide the following details:		
Who are your participants? Please specify any specific groups of human participants: (e.g., students, general public, specific groups etc.) Students		
How many participants will you have? (Under each category) 15		
How will participants be recruited and approached? Across online survey		
Do you need access to groups of participants (e.g., through gatekeepers, e.g., organisations, managers, parents, schools etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If yes, please provide details including no objection certificate(s): 		
3.2 Does this research involve secondary data collection?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If yes, please indicate your response below:		
3.2.1 Do you have the necessary approval to access the data*? (*If yes, please provide evidence of approval) (If no, please provide details and plan of action)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No



3.3 The outputs from research (e.g., products, reports, publications, etc.) are not likely to cause harm to others and are in-line with the local legislation	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If no, please explain how this can be avoided or managed:		
3.4 Will the study require data collection by proxy (someone else doing part of or all of your data collection)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If yes, please provide details including its rationale: <i>Note: When collecting data by proxy, you need to ensure that the highest ethical standards and procedures are adopted by all research partners/fieldworkers</i>		

Section 4 – Anonymity, confidentiality, and consent for primary and secondary research

4.1 Will the research involve collecting or analysing personal data or sensitive personal data? Or involve sharing of confidential information beyond the initial consent given (i.e., personal data refers to information that may identify individuals e.g., name, address, date of birth, opinion, specific event, set of characteristics that would clearly identify individuals or very small groups. Sensitive personal data refers to racial or ethnic origin, political opinion, religious beliefs, trade union membership, sexual life, physical or mental health, criminal matters.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> NA
If yes, please provide details: (e.g., Justification for use personal data or sensitive personal data? How you plan to anonymise the data? Where the data will be kept and care/storage facilities etc.) Alternatively, if personal or sensitive personal data is required for the research, you must comply with the GDPR act and understand your responsibilities +under the GDPR and have received data protection training. Please complete the Data Protection Checklist for Researchers			
4.2 Will lists of identity numbers/codes or pseudonyms for individuals and/or organisations (i.e., linking keys to personal identifiers) be stored securely and separately from the research data and destroyed after the study to avoid any risk of confidentiality being compromised?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
If no, please provide details on how this can be avoided or managed:			
4.3 Will you tell participants that their data will be treated confidentially and the limits of anonymity will be made clear in your Participant Information Sheet? (e.g., their identities as participants will be concealed unless prior consent is given to include the name of the participant in any documents resulting from the research. Consider how participants' narratives, quotes or involvement in specific events may make anonymity difficult to maintain.) Attach: Participant information sheet	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
If yes, provide details on how you will ensure this:			



4.4 Will you obtain <u>Written Informed Consent</u> directly from research participants (if applicable)? Attach: Informed Consent sheet			
	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA
If no, please explain why?			
If yes, please specify how and when this will be achieved?			
4.5 Will you obtain <u>Written Informed Consent</u> directly from gatekeepers (if applicable)? Attach: Informed Consent sheet			
	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA
If no, please explain why?			
If yes, please specify how and when this will be achieved?			
4.6 Will you inform participants that their participation is <u>voluntary</u> and that they have a <u>right to withdraw</u> from the research at any time?			
	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
If no, please explain why?			
4.7 Will you have a process for managing <u>withdrawal of consent</u> ? Please provide details:			
	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA
If no, please explain why?			
If yes, please provide details on how this will be managed?			
4.8 Will it be necessary for participants to take part in the study without their knowledge and consent at the time, or by deception e.g., covert observation?			
	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> NA
If yes, please provide justification and details of how this will be managed to respect the participants/third parties involved to respect their privacy, values, and to minimise any risk of harmful consequences:			
4.9 Will you provide a <u>Written Debriefing Sheet</u> ? (if applicable, also attach)			
	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA
If no, please explain why?			
4.10 Will you need <u>consent</u> from people who appear in <u>visual data</u> (e.g., photos or films or social media)?			
	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA
If yes, please provide details on how this will be managed:			
If no, please explain why?			

4.11 Will you audio or video record interviews and/or observations?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> NA
If yes, please provide details on how participants' anonymity will be maintained:			
4.12 Will your research involve <u>participants responding to internet surveys, emails, chatroom discussions, blogs, interactive games, social media and networking sites etc.</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
If 'yes', please explain how will you obtain permission from the website authors, or informed consent from participants, and ensure anonymity and protect confidentiality in an environment that generates significant amounts of background information e.g., data logs, IP addresses, cookies and caches and/or with low levels of system security?			
Google Forms is a free online tool from Google that allows users to create forms, surveys, and quizzes, as well as edit and share them with others. Instructors can use Google forms to assess pupils at the start of a class and gauge prior knowledge.			
4.13 Do you have a Data Management Plan? <i>(E.g.: Where the data will be stored, who will have access to data, how will the data be shared, how long the data will be stored, how it will be deleted/destroyed after your research completion etc.)</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
If no, please explain why?			

Section 5 – Avoiding harm: risk assessment and management, safety and legal issues

5.1 Will you use an <u>experimental research design</u> (i.e., implement a specific plan for assigning participants to conditions and noting consequent changes?)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> NA
If yes, please provide details of treatment/intervention (and specify if these are intrusive interventions e.g., hypnosis or physical exercise, or include the use of drugs, placebos or other substances e.g., vitamins, food substances etc.) and provide details of required resources for this study:			
5.2 Will the research involve <u>discussion of sensitive topics</u>? (e.g., sexual activity, drug use, national security etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> NA
If yes, please provide details of how possible adverse reactions will be avoided and what support will be in place to manage any adverse consequences:			
5.3 Is pain or more than mild discomfort likely to result from the study?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> NA

If yes, please provide details on how this can be avoided or managed:

5.4 Could the study induce psychological stress or anxiety or cause harm or negative consequences beyond the risks encountered in normal life?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Yes	No	NA

If yes, please provide details and state how participants will be supported:

5.5 Will the study involve prolonged and repetitive testing?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Yes	No	NA

If yes, please provide details, justification and state how participants will be supported and length of each data collection session, number of sessions and location of data collection:

5.6 Will this research be conducted off-site (i.e., not on Middlesex University Dubai premises)?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Yes	No	NA

If yes, please provide details of other locations and explain how you will minimise any risks to your own health while off-site.

5.7 Will you be alone with individual participants or group of participants place you at risk?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Yes	No	NA

If yes, please state how this can be avoided or managed:

5.8 Are there any adverse risks or safety issues (e.g., from potential hazards) that your methodology raises for you and/or for your participants or others?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Yes	No	NA

If yes, please specify and provide details of mitigating actions that will be taken (e.g., travelling alone, working in hazardous conditions, discussing illegal activities on-line etc.) and how you, and your participants/third parties will be supported?

5.9 Is the research or outputs from the research likely to cause harm to others (e.g., to their physical well-being, mental health, dignity or personal values) to an extent greater than that encountered in ordinary life?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Yes	No	NA

If yes, please state how this can be avoided or managed?

Section 6 – Research Sponsorship and/or Collaboration (if applicable)

6.1 Does the research have a sponsor <i>(i.e., any person or organisation who provides support for the research in the form of income, use of data, facilities, materials, assistance with data collection etc.) that may have ethical implications for the research?</i>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> NA
If 'yes' please provide details of the role of the funder and issues:			
6.2 Does the research involve an international collaborator or research conducted overseas?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> NA
If 'yes', what ethical review procedures must this research comply with for that country, and what steps have been taken to comply with these: (e.g., Do you need local permission/approval? Are there any country specific cultural social or legal considerations that need to be taken into account? Who will be collecting the data overseas? Have you considered intellectual property issues?)			
6.3 Does this research already have or require Approval from an External Research Ethics Committee?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> NA
If 'yes' please provide details:			
6.4 Will this research or part of it be conducted in a language other than English?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> NA
If 'yes', full translations of all non-English materials will need to be submitted.			

Section 7 – Other Issues

7.1 Does the research involve any ethical and/or legal issues not already covered that should be taken into consideration?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> NA
If yes, please give details:			
7.2 Do you require training on the requirements of GDPR for researchers?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> NA
If yes, please give details:			
7.3 Does the research raise any other risks to safety for you or others that would be greater than in normal life?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> NA
If yes, please provide details and state how this can be avoided or managed? If appropriate, complete a separate state Risk Assessment Form along with this application			

7.4 Will participants receive any reimbursements or payments for participating?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, please provide details and justification:			
7.5 Are there any conflict of interests to be declared in relation to this research?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, please complete and attach the "Disclosure of Potential Conflict of Interest Form" along with this application			

Section 8 – Pre-Submission Checklist

Please mention the documents (where applicable) you will be attaching with this application:

Please check and attach the following documents where applicable:			
1. Participant Information Sheet	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Yes	No	NA
2. Informed Consent Sheet	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Yes	No	NA
3. Debriefing Sheet	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Yes	No	NA
4. Copy of questionnaire/interview guide/details of materials for data collection (including translations, visual images etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Yes	No	NA
5. Letter of permission (if required from organisation where research is to be conducted)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Yes	No	NA
6. Evidence of external approval – for access to secondary data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Yes	No	NA
7. Completed Risk Assessment Form	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Yes	No	NA
8. Data Protection Checklist for Researchers			
9. Disclosure of Conflict of Interests	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Yes	No	NA
10. Evidence of external approval – from external ethics body	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Yes	No	NA
11. Evidence of relevant licence for research with animals/animal by-products	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Yes	No	NA
12. If you are attaching any other documents, please provide details below:	<input checked="" type="checkbox"/> NA		

Section 9: Declaration – to be completed by student, supervisor and reviewers

As principal investigator or student researcher I confirm that:

1. I have read and agree to abide by the relevant Code(s) of Ethics appropriate to my research field and topic.
2. I have reviewed the information provided in this form and believe it accurately represents the proposed research.
3. I have read and agree to abide by the University's Code of Practice for Research: Principles and Procedures.
4. I agree to inform my Supervisor of any adverse effects or changes to the research procedures.
5. I understand that research/data may be subject to inspection for audit purposes and I agree to participate in any audit procedures required by the Research Ethics Committee (REC) if requested.
6. I have completed and signed a risk assessment for this research study (if applicable).
7. I understand that it is my own responsibility and not that of Middlesex University Dubai to assess the personal risks involved with undertaking this research and to do my best to limit them.
8. I understand that Middlesex University Dubai is not accountable or liable for any adverse personal circumstances I may encounter as a result of the risk factors involved with undertaking this research.
9. No data collection will be undertaken before receiving approval for this application. If there is any alteration in the research methodology after approval, then submission of a Change in Ethics Approval form is required.
10. I understand that the owner of the data from this research will be the supervisor for undergraduate and master's level students' projects.

Principal Investigator or Student Researcher

Name: Fahad Ali Khan Signature:  Date: 4/18/2023

As Supervisor, I confirm that (Student Applicant only):

1. I have reviewed all the information submitted with this research ethics application and believe it accurately represents the proposed research.
2. I accept responsibility for guiding the applicant so as to ensure compliance with the terms of the protocol and with any applicable Code(s) of Ethics.
3. I understand that research/data may be subject to inspection for audit purposes and I agree to participate in any audit procedures required by the Research Ethics Committee (REC) if requested.
4. I confirm that it is my responsibility to ensure that students under my supervision undertake a risk assessment to ensure that health and safety of themselves, participants and others is not jeopardised during the course of this study.
5. I understand that personal data about me contained in this form will be managed in accordance with the GDPR Act.
6. I have seen and signed a risk assessment for this research study (if applicable).

Supervisor's recommendation to the REC

This is a low risk project and all ethical, legal and safety issues have been sufficiently addressed

<input type="checkbox"/>	<input type="checkbox"/>
Yes	No

Supervisor Name : Chinu George Signature: C.G Date: 4/18/2023

As peer-reviewer I confirm that (Student Research Applications only):

1. I have carefully reviewed the ethics application
2. I have relevant knowledge of the research topic
3. I have no involvement in the study
4. Declare any conflicts of interest which may influence the peer review process
5. Act in confidence and not disclose the content or outcome of the process to anyone other than to REC and those responsible in research supervision)

Peer Reviewer Assessment	
This is a low risk project	<input type="checkbox"/>
This is a high risk project and therefore recommends full review by the University REC	<input type="checkbox"/>

**Peer Reviewer Decision (For Low Risk Projects)
(Please select one)**

- | | |
|---|--------------------------|
| 1. Approved | <input type="checkbox"/> |
| 2. Approved with minor amendments (Please provide details): | <input type="checkbox"/> |
| 3. Revisions and further information required (Please provide details): | <input type="checkbox"/> |
| 4. Not Approved for the following reasons: | <input type="checkbox"/> |

Peer Reviewer Name:..... Signature:..... Date:.....

FOR RESEARCH ETHICS COMMITTEE (REC) USE ONLY

**Research Committee Decision (For Staff Application or High Risk Student Projects)
(Please select one)**

- | | |
|---|--------------------------|
| 1. Approved | <input type="checkbox"/> |
| 2. Approved with minor amendments (Please provide details): | <input type="checkbox"/> |
| 3. Revisions and further information required (Please provide details): | <input type="checkbox"/> |
| 4. Not Approved for the following reasons: | <input type="checkbox"/> |

Name of the Chair of the Research Ethics Committee or nominee (if applicable):.....

Signature:..... Date:.....

ADDITIONAL NOTES FOR COMPLETING THIS FORM

- 1) Refer to Middlesex University Research Ethics section on the University intranet
- 2) Please read Middlesex University's Code of Practice for Research: Principles and Procedures available on the University intranet
- 3) Please read and ensure compliance with Data Protection under the General Data Protection Regulation (GDPR)
- 4) Please note that a student (UG, PG taught or research) cannot be the Principal Investigator for ethics purposes
- 5) External ethics approval is required from some organisations, agencies and local authorities that have their own ethics processes and require completion of additional ethical approval forms and processing in addition to the MU process. It is your responsibility to check whether additional permissions apply to you.
- 6) Accompanying forms and checklists are available on the University Intranet. This include but not limited to:
 - The Middlesex University Risk Assessment Form is available on the University intranet
 - Disclosure of Potential Conflict of Interest form is available on the University intranet
 - Data Protection Act Checklist for Researchers is available on the University intranet
 - Child Parent Consent Form
 - Gate Keeper Letter
- 7) Templates for Participant information sheet, Informed consent sheet, Debriefing guide and other related materials are available on the University intranet

Appendix: Data protection

As stated in the privacy policy, Middlesex University is required by law to comply with the Data Protection Act, 1998 (the 1998 Act). To comply with the law, information is collected and used fairly, stored safely and not disclosed to any other person unlawfully. To do this Middlesex University complies with the Data Protection Principles which are set out in the 1998 Act. In summary these state that personal data shall be:

- Processed fairly and lawfully and shall not be processed unless certain conditions are met.
- Obtained for specified and lawful purposes and not further processed in a manner incompatible with that purpose.
- Adequate, relevant and not excessive.
- Accurate and where necessary up to date.
- Kept for no longer than necessary.
- Processed in accordance with data subjects' rights.
- Protected by appropriate security.
- Not transferred without adequate protection. The university is committed to ensuring that current employees comply with this act regarding the confidentiality of any personal data held by the university, in whatever medium.



Middlesex
University
Dubai

In addition, people whose data is recorded have the right to view that data ('right of subject access'), make corrections or have it deleted.