Group: 10

Project Name: Share Care Application

1. Objectives

For the past two years, we have seen that the world had been going through a phase of suffering due to the corona pandemic. We have seen on the news that there were numerous cases when a patient could not find the sufficient treatment during difficult situations or the necessary funding to get proper treatment.

There are ample people in Bangladesh who are willing to donate a part of their fortunes to the less fortunate but do not have a proper platform or knowledge about where they can utilize their wealth for the good of others.

Our goal is to provide a service where both patients from hospitals or NGOs who are in need of assistance regarding medical or financial funding for schools, food or clothes for the less fortunate or hospitals in need of blood or organ donation can ask for help and people who are interested to assist others can make donations to these organizations.

2. Scope

- To provide a connection between NGOs and donors.
- To provide patients and hospitals a platform to ask for donations.
- To aid people in need and help them lead a better life.
- To provide a platform where anyone can contact any organization for help regarding medical issues.

- To create a mobile application that is user friendly to both donors and NGOs.

3. <u>Proposed System</u>

We planned to create this application to help less fortunate people and NGOs find better funding in order to assist people in need and donors interested to find reliable sources to give their funds to. People who are struggling to find free treatment for the lack of money, can use this app to ask for help. Hospitals can use this app to find donors of blood or organs in emergency cases and NGOs can use it to find interested donors to assist in their cause. This application will be extremely reliable as it will allow direct communication between both parties and no third-party will be used.

4. <u>Functional Requirements</u>

- **Application Registration**

  o After downloading the application, a login page appears which asks for login information for users who already have an account and a sign-up option for new users.
  o If the user selects the sign-up option, he/she needs to provide the necessary information to create an account.
  o The necessary information includes Name, email Id, contact information, NID details, address, profession and organization details and payment send and receive options.
  o The application will allow the user to enter a password of choice.

- A message of successful account creation will then be sent to user through email or contact number and he/she will be asked to verify his/her identity by entering an OTP.

- **Application Login**

  - The application will have a login page where the user has to enter e-mail, NID no. and password to login.
  - The Home page feed will be visible as soon as the user logs in.
  - If the email, NID and password information entered is wrong, an error message will be displayed.
  - In this case, the application will ask the user to enter correct information again or ask if the user has forgotten his/her login information.
  - In which case, the user will be able to obtain an authentication code in their email address in order to reset their password.
  - If the user inputs wrong login information more that six times, his/her account will be disabled for one hour, and the user will be notified through an email that his/her account is trying to be accessed by someone who might not be him.

- **Home Feed**

  - The home feed will provide options for both donors and receivers.
  - The user will be asked if he/she is a donor or wants to receive help.
  - If the user chooses the option, he/she will be given a variety of choices to choose from different fields in which they would like to donate or receive donations.
  - The fields will include medical assistance, educational assistance, distribution of food and clothes to the less fortunate etc.

- The user will then be asked to select a location from the given list of locations, that where he/she can provide or receive the help in.
- Then the home feed displays a feed where news of different organizations and people in search of assistance will be present.
- The home feed will contain an option called "My Profile", where they will be able to edit and update their profile details like profile picture, email Id and password.
- They will also be able to post and share information regarding anything assistance they need or might be able to give others.
- The application will include a message option so that their can be direct communication between both parties.
- The home feed will allow the user to change languages between both English and Bengali so that it is more user friendly.
- The home feed will include option of "Transaction" as well.
- In case of any problems the user might be facing with the application, they can refer to the "Help and Support" option also present on the home feed.
- There will be a "Logout" option too.

- **Transaction**

  - The application will provide payment methods for sending funds by donors to different NGOs and other non-profit organizations.
  - The payment methods will include, "On Spot Cash payment, online payment methods such as "Bkash", "Rocket", "Nogod" and credit-card payment methods.
  - The receivers will also be able to choose methods of receiving the funds.
  - The method will include "Bkash", "Rocket", "Nogod" and they can also download a bank slip to withdraw money from the bank.

- **Help and Support**

- There will be a constant Navigation Bar at the bottom on every page, that will include an option called "Help and Support"
- The user, when faced by any problem or bug when using the application can contact the developers to solve the problem abruptly.
- Under this option, there are several listings of email Ids and hotline information for contacting regarding the issue.
- When an issue is sent to the application developers, an automated response is received by the user, stating that his/her issue will be solved as soon as possible.
- The user can also refer to a list of FAQs listed under the "Help and Support" option.

5. <u>System Features</u>

- **Admin**

  - Admin can login to the system.
  - Admin can verify the registration information provided by the donor.
  - Admin can check donor payment bills.
  - Admin cannot access payment information, such as credit card pin, Bkash, Nogod or Rocket pins.
  - Admin can verify the registration information provided by the NGOs, hospitals and any organization.
  - Admin handle any gift vouchers.
  - Admin replies to messages and queries sent to the "Help and support" team.
  - Admin can access and manage the database of total number of users and their activities carried out through the application.
  - Admin can delete any user account in case of mishaps.

- **User**

- **Donors**

  - Donor can sign-up or Login to the application.
  - Donor can view information shared to the home feed by other users.
  - Donor can view the information provided by NGOs or hospitals they are interested in donating for verification
  - Donor can update profile information.
  - Donor can contact directly with organizations.
  - Donor can select location they might be able to help in.
  - Donor can select the field they want to contribute to.
  - Donor can select application language they are more comfortable using.
  - Donor can select payment method such as Bkash, Nogod, Rocket or credit-card.
  - Donor will be able to download a receipt of the help they provided after making the donation.
  - Donor will be able to deactivate or delete account all together.

- **Receivers**

  - Receiver can sign-up or Login to the application.
  - Receiver can view information shared to the home feed by other users.
  - Receiver can contact different donors by viewing their information and asking them for help.
  - Receiver can update profile information.
  - Receiver can submit and share regarding the help they are looking for so that donors can see.
  - Receiver can select location they might be looking for help in.
  - Receiver can select the field they are looking for assistance in.

- Receiver can select application language they are more comfortable using.
- Receiver can select payment receiving method available to them such as Bkash, Nogod, Rocket or credit-card which the donor can view.
- Receiver will be able to download a receipt of the amount received.
- Receiver will be able to deactivate or delete account all together.