Project Design Template

1.   Problem Definition & Background:

What is the problem or issue your project will solve or address?

> The main purpose of this project is to share books among the members without actually visit libraries or meeting someone.
> This system will be free of cost and the readers will share only those books which they have already read.
> This system will also include brief description about books so that the reader will get idea about every book in the list.

Why is this problem, issue or question important?

The problem is important to solve because it will save time & money.

How does this problem/research question relate to your organization's mission and programs?

As our project is a low cost & online based system , so it will save both time & money of the users.

Who or what does this problem affect? Who is involved? [target population]

The target population of the system are the bookworm people who remain busy in their daily life. So, can't visit bookshop or libraries. Also those who doesn't have enough money to buy books will get benefit from this because this system is budget friendly.

What will be the significance or impact of solving this problem or addressing this issue?

The people who lack time & money to get or buy books but are actually interested to read will be benefitted from this.

It will also enable social Interactions among people.

<u>What is the relevant state of knowledge about the problem or question? What has been done before to solve this problem, answer this question? What has succeeded and what has failed? And why? [literature review, preliminary studies]</u>

There are some groups like "litmosphere " & sites like "GoodReads.com" . But they only work with softcopy of the books & for limited categorized people.

<u>What preliminary work or pilot studies have you conducted? What results did you achieve?</u>

After having online questionnaire session, we have come to the conclusion that most people want to read books but they can't due to lack of time & money. They want a system where they can get books without losing that much time & also which will be of low cost.

<u>What are the current gaps in knowledge about this issue? Will your project potentially fill these gaps? How?</u>

The current knowledge gaps about this issue are :
- We don't know the how much audience gonna cover our project.
- We haven't decided the variety of books.
- We haven't taken the decision of the geographical range of providing this service.

Potential gap filling of our project:

It will be implemented primarily focusing on specified category of users. So, it may potentially fill these gaps.

<u>What are the main constraints and barriers in solving this problem or answering this question?</u>

- Borrower or buyer can have the option to have the book directly from lender or seller if he/she wants to.

- Borrower or buyer can have the delivery by paying the service charge.
- The service region may no cover distant areas smoothly.

Who and what organizations are the key players concerning this problem?

Mainly bookworm or readers are the key players of this organization.

2.   Proposed Solution—Project Goal & Objectives:

What is the ultimate purpose of your project? (Goal)

The ultimate purpose of our project :
- Enabling book sharing platform
- Providing low cost service
- Encouraging people to read book

What will change or happen as a result of the project? (Outcome Objectives)

Because of this project book sharing will become easier & of low cost.So,people will be inspired to read & gain knowledge.Along will the increment of interactions among people ,the sharing habit of people will also increase.

3.   Plan of Work

- ▪ **What activities will be undertaken to achieve the goal and objectives?**

To achieve the goal & objectives,we've planned use cases of our project.these use cases will be considered as individual activities.

- Develop a **project implementation time line**? When will activities occur? When will outputs and outcomes be generated? **Break out your project timeline by weeks depending on funder requirements. Every activity should be on the implementation timeline.**

  For developing Project implementation timeline we are using Toggl.
  Activities or the use cases of this project are listed under To Do List ,then each activity shifts one by one to next column & after the completion of the running program activities,shift to the final doing column.

4.   Project Beneficiaries [Target Population]

<u>Who will benefit from the project, and how will they benefit? State demographics and numbers.</u>
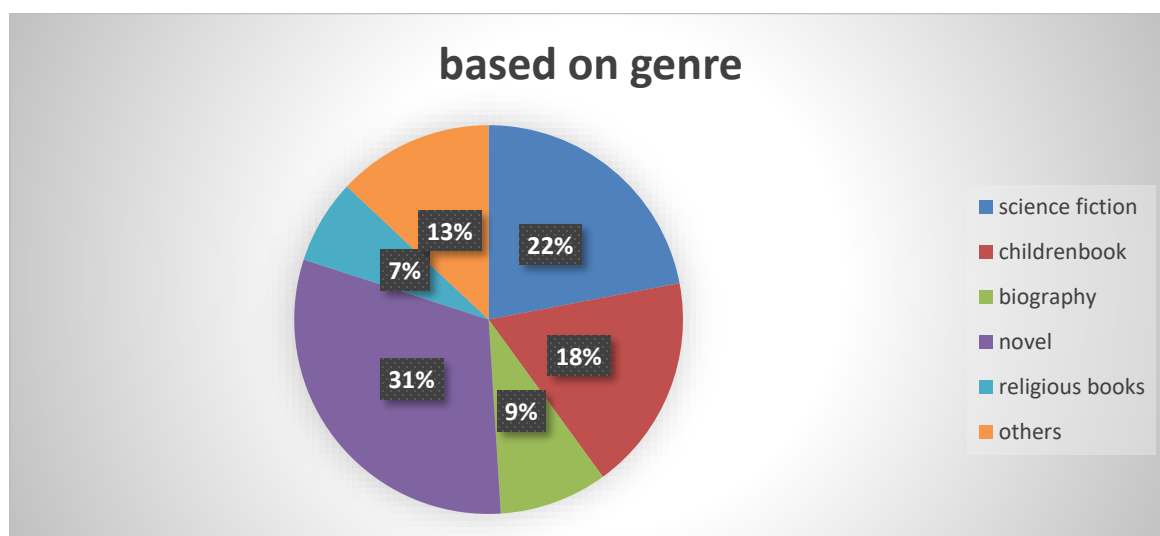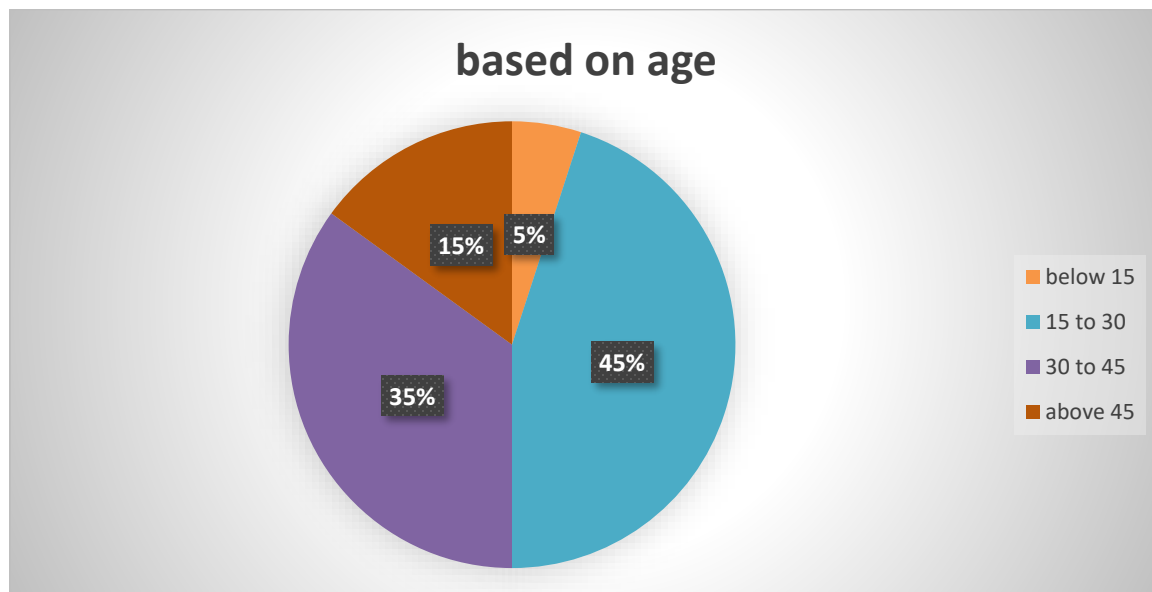
People who are interested in reading books but have to deal with time and cost issues will be benefited from our system. Mainly the teenagers and the middle age people will be most benefited as they read more books and knows how to deal with online based software.

<u>How did and how will project beneficiaries or target groups participate in the project?</u>

The beneficiaries will also contribute books to the system. They will also participate in quiz competition .

Did the project's beneficiaries help identify the problem, design the project and the solution to the problem?

As we have just started our project, we couldn't communicate that much with the beneficiaries but we will definitely try to communicate with them so that the system can fulfill all their requirements.

based on age

- below 15 — 5%
- 15 to 30 — 45%
- 30 to 45 — 35%
- above 45 — 15%

based on genre

- science fiction — 22%
- childrenbook — 18%
- biography — 9%
- novel — 31%
- religious books — 7%
- others — 13%

5.   Project Management

▪ <u>How will the project be managed and/or administered within your organization?</u>

Different acrions(use cases) will be divided among different members and different members will work on his/her own section,to produce the desired output   from   that   section.
The members will update his/her work time to time to the manager & the manager will give review of those along with monitoring everything of this project.
After all the sections has been completed,the manager will collaborate & merge the sections to test the entire project for desired output.

▪ <u>Who is the project manager and what are her/his qualifications for the role?</u>

Our project manager is Md.Habibur Rahman.
He has good perspective and vision about what needs to be done .He has got previous experience of managing things and collaborate with people and tasks as he has been working as General Secretary of JU Computer Club for almost one year. That's why we think he would be the best fit for this role

6.   Project Monitoring & Evaluation

- ▪ **What are the key indicators of project progress, impact, and success?**

1.Number of users

2.Percentage of book providing

3.Percentage of book borrowing

4.The ratio table

5.Number of participants in the quiz competition

- ▪ **How will these be tracked and measured?**

1.The number of users might be tracked by the number of sign up and log in the system.

2.The book providing percentage can be measured from the database that stores the information of the books.

3.The book borrowing percentage can also be measured from the database that stores the information of the books.

4.The ratio table can be constructed from the database that stores the user information.

5.The quiz that are held every month can show the amount of people that is actively using the system.

What are potential barriers to success and when may they occur?

As it's an online base system it may not reach to the people who are not using the internet or when the internet is not available due to some natural calamities.

Another barrier is that the system doesn't has its own collection of books so sometimes if users are not providing books at a regular basis the system might run short of books for the readers.

7.   Budget & Funding Plan

Each activity in your plan of work will have a corresponding cost (whether cash or in-kind match, part of your federal grant request or from another source).

    1.playstore account creation cost
    2. User authentication server management cost
    3. Employee cost.

Identify other organizations that may/will make a financial contribution to this project (in kind or cash).

We will ask for financial contribution for this project from Mobile financial service companies like Bkash , DBBL and many more.
The mobile banking application will be used for the payment system of our software. Users can pay for their books and service charges through mobile banking apps like Bkash.

What will they provide? For what purpose?

They will contribute in our project as it will raise brand awareness, create preference, create positive PR and raise awareness of the companies.

8.   Risk, Assumptions, Software Development Process

Risk:

1. If the user authentication is not properly done, anyone who is not a member can use the system and confidential information can be leaked.

2. If the internet connection is down, users will not be able to get services.

Assumptions:

1. User has a smart phone or personal computer.
2. User knows the basic English language.
3. User is interested in sharing, selling and buying books.

9.   Team Details

- **Team Info**:

Member 1:
Name: Md.Habibur Rahman
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Class Roll:40

Member 2:
Name:Nabilah Hossain Sarker
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Class Roll:21

Member 3:
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Class Roll:08

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Class Roll:18

- communication Medium
  - slack
  - skype