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Presentation for

Digital platform for survey and collecting data on the overall performance of adolescent clubs in Bhola district to support the Ministry of Women and Children's Affair(MOWCA)

❑ Our company

Twister Media Technology Ltd. Is proud to offer our clients the most cost– effective mix of high quality technical support, policy analysis and contextualized project management skills.

❑ Objective of our organization

Twister Media Technology Ltd. aspires to make a significant and sustainable positive impact on the promotion and implementation of the UN Convention of the Rights of the child (CRC), Convention on the Elimination of all Forms of Discrimination Against Women (CEDAW), International Convention on the Elimination of All Forms of Racial Discrimination (ICERD) and their optional protocols. We strongly believe that it is only through the collective efforts of many actors that this goal can be achieved. It aspires to contribute to the development of the conditions and structural changes necessary for the best interests of children around the globe.
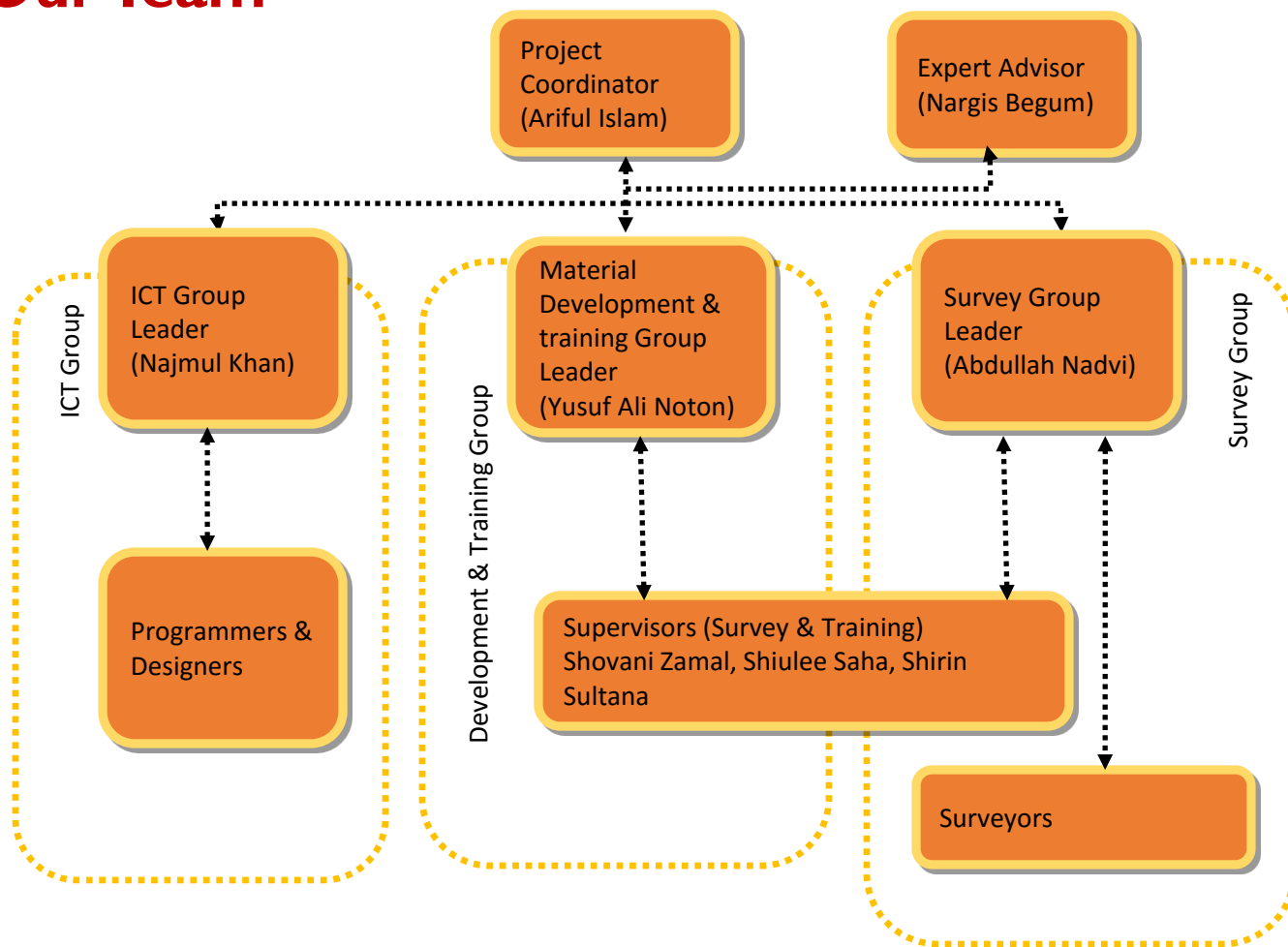
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❑ Areas of Expertise

- Software Development
- Cloud Base Solution Development
- Mobile Apps Development (Android & Ios)
- Webpage Development
- Automated Application Development
- Real Time Software
- Database Hosting
- Content Management Solution
- Branded Print and Graphic Design
- Training Material Development
- Training and Workshop Management
- Qualitative and Quantitative Research
- Baseline Survey
- Mapping Exercise

❑ Our Team

Project Coordinator (Ariful Islam)	Expert Advisor (Nargis Begum)

ICT Group

ICT Group Leader (Najmul Khan)

Programmers & Designers

Development & Training Group

Material Development & training Group Leader (Yusuf Ali Noton)

Supervisors (Survey & Training) Shovani Zamal, Shiulee Saha, Shirin Sultana

Survey Group

Survey Group Leader (Abdullah Nadvi)

Surveyors

❑ **Our Understanding of This Project**

❑ **Adolescent's situation in Bangladesh**

- Adolescent population of Bangladesh is approx. 32 mill., around one-fifth of the total.

- The Government of Bangladesh has formulated Child Policy of 2011 and the National Children Act of 2013

- Adolescent is defined as young persons between the ages of 10-18, though WHO uses the age breakdown of 10 – 19 years

- Most adolescents have limited scope for acquiring knowledge and skills for their self-development and protection

- They are facing many challenges like child marriage, violence, hazardous job, sexual harassment, exploitation, trafficking, drug abuse, STD and many others.

❑ **Our Understanding of This Project**

❑ **UNICEF CP section adolescent club programme**

- UNICEF CP section has launched a large project named Enabling Environment for Child Rights (EECR) under MOWCA

- Through EECR project (2012-16) the CP section has been supporting more than 120,000 adolescents (approximately 80% girls)

- By establishing more than **3,000 adolescent clubs all over the country** through PCA partnerships with lead NGOs.

- The EECR project and the PCA partnerships with NGOs have come to an end in June 2017.

- The CP section is in the process of developing the new project for adolescents entitled, "Accelerating Protection of Children" (July 2017-June 2020).

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❑ **Our Understanding of This Project**

❑ **UNICEF CP section adolescent club programme**

- GOB has decided to mainstream the concept of club modality which has been reflected in the national budgetary allocation of 2017 under MOWCA for operating **more than 5,300 adolescent clubs all over the country from 2017.**

- The CP section has agreed to **provide support to approx. 222,000** adolescents (**30 adolescents per club**)

❑ **Our Understanding of This Project**

❑ **Objective of this project**

- Before UNICEF starts investing on this large no of clubs, a strong necessity is **to collect detail information about the existing adolescent clubs** which were operated under the EECR project.

- Sometimes it is hard to locate the adolescent clubs for proper programme monitoring to assess their function following the approved procedures. Therefore, a **mapping exercise of the adolescent clubs** is a necessity **to capture the detail information about each and every club** that includes **GIS information for record keeping and improve monitoring system**.

- To **establish two way communication to identify gaps** to provide appropriate service delivery to the adolescents that will encourage new ways of community engagement, transparency and accountability of adolescent programmes.

❑   Project Implementation Strategy

❑ Methodology

❑ Inception (phase 1)
- ❑ Kick off Meeting with UNICEF
- ❑ Literature Review
- ❑ Inception Report Drafting

❑ Outcomes
- ❑ Survey Questionnaire
- ❑ Structure of the Data
- ❑ Detail Outline of the APP and Software
- ❑ A Timeline for the Project

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❑ **Methodology**

❑ **Development of a ICT based App & software (phase 2)**
- ❑ Finalizing GIS mapping, monitoring and data collection parameters
- ❑ Development of Data Collection App
- ❑ Development of Data Analysis Software & Web view

❑ **Outcomes**
- ❑ Approval of the tools for field test
- ❑ Development of Data Collection App
- ❑ Development of Data Analysis Software

❑ **Methodology**

❑ **Pre-testing of Data collection app and GIS mapping included monitoring software (phase 3)**
- ❑ Developing Training Module
- ❑ Training of data collectors and stakeholders
- ❑ Field test in Dhaka
- ❑ Refinement of methodology, data collection tools and training package
- ❑ Print Training Material

❑ **Outcomes**
- ❑ Approved Training Module
- ❑ Approved ICT Tools for Survey

❑ **Methodology**

❑ **Conduct GIS Mapping and Survey in Bhola (phase 4)**
- ❑ Installation of local office in Barisal Zone
- ❑ Selection of data collectors
- ❑ Training of data collectors
- ❑ Conduct field data collection, data integration & report generation

❑ **Outcomes**
- ❑ Zonal Office
- ❑ Trained Data Collectors
- ❑ Survey Data with GIS Mapping of Adolescent Club

❑ **Methodology**

❑ **Capacity Building of GOB and UNICEF Zonal officials (phase 5)**
  ❑ 2 Days Training workshop for Officials
  ❑ 2 Trainings for 2 Batches consists of 30 persons

❑ **Outcomes**
  ❑ 2 Capacity Building Training
  ❑ Outline for Refinement of Training Material
  ❑ Outline for Operational Guideline

❑ **Methodology**

❑ **Launching and dissemination (phase 6)**
- ❑ Launching the Digital Platform
- ❑ Submission of Operational Guideline
- ❑ Submission of Training Package

❑ **Outcomes**
- ❑ A National Digital Platform for Monitoring Adolescent Clubs
- ❑ Training Material
- ❑ Operational Guideline

❑ **Proposed Methodology of ICT Development**

❖ *Stage 1*

Discovery, Business Analysis, Technical Specifications

❖ *Stage 2*

Initial Design (Create Site Architecture, Create Database Architecture, Build Static Module), Final Design

❖ *Stage 3*

Development (Create Static Pages, Create Dynamic Extensions), Rollout and Testing, Demonstration, Clean Up, Documentation.

❖ *Stage 4*
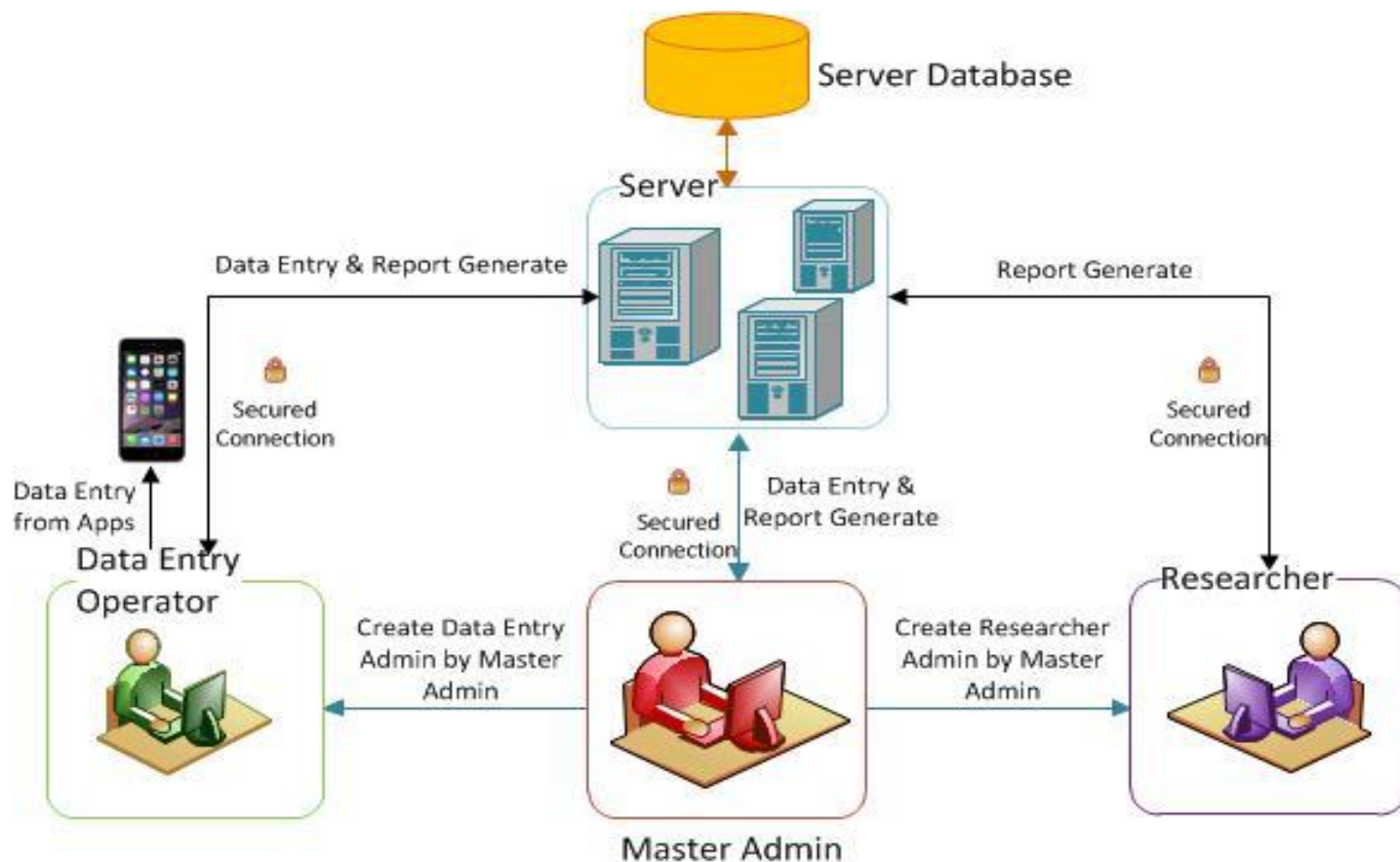
Publication

❖ *Stage 5*

Maintenance and Servicing

❑ **Proposed System Process Flow:**

❑ **Proposed System Design Flow:**

Search [　　　]

| **Home** | **About Us** | **Clubs** | **Gallery** | **News** | **Registration** |

Welcome to Empowerment of Adolescence (EOA) Program

Please Choose Division　　　**Division**

Please Choose District　　　**District**

Please Choose UpZilla　　　**Upazilla**

❑ **Proposed System Design Flow:**

Search

Home	**About Us**	**Clubs**	**Gallery**	**News**	**Registration**

Welcome to Empowerment of Adolescence (EOA) Program

Barishal Division

Please Choose Division   **Barishal**

Please Choose District   **Bhola**

Please Choose UpZilla   **Upazila**

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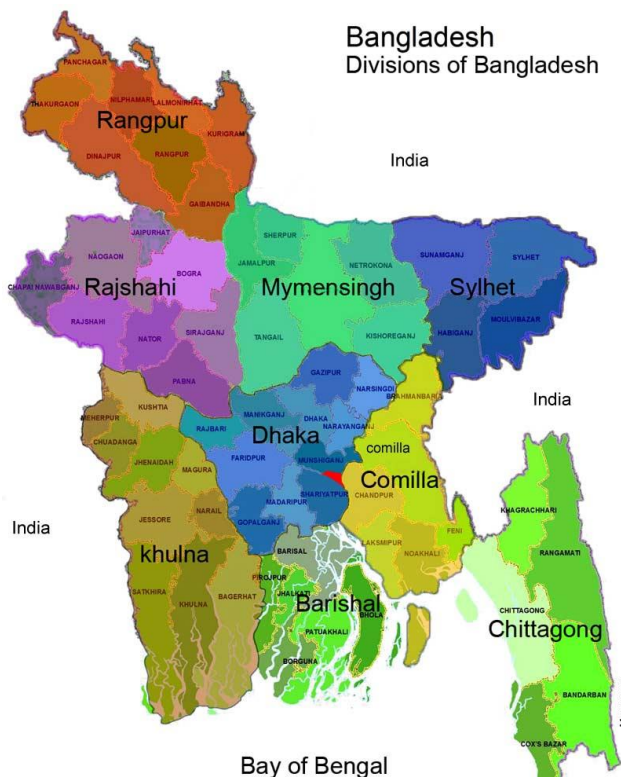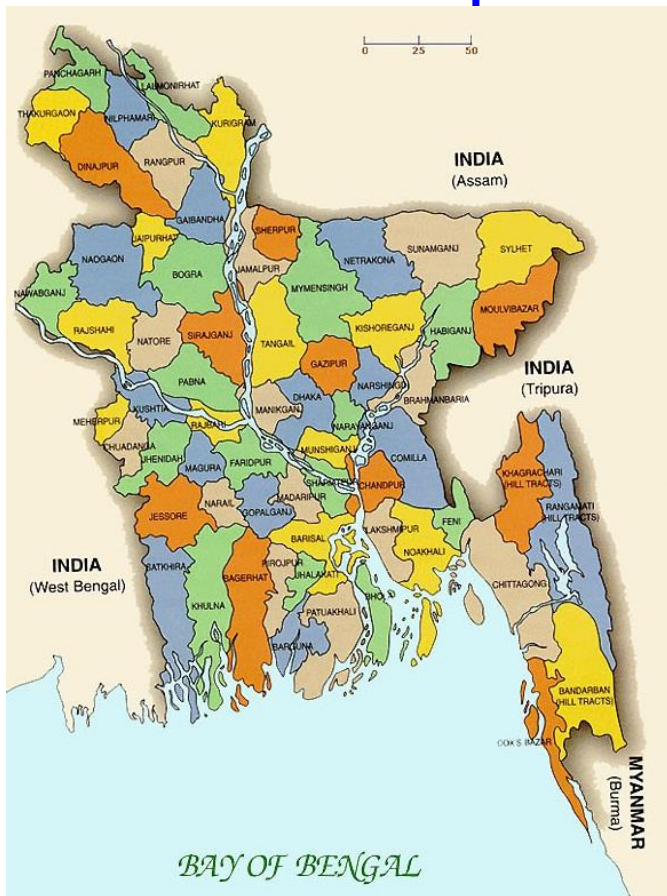
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❑ Proposed System Design Flow:

Search [   ]

Home	**About Us**	**Clubs**	**Gallery**	**News**	**Registration**

Welcome to Empowerment of Adolescence (EOA) Program

Bhola District

Please Choose District   **Bhola**

Please Choose UpZilla   **Upazila**

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❑ **Proposed System Design Flow:**

Search

| Home | About Us | **Clubs** | Gallery | News | Registration |

Welcome to Empowerment of Adolescence (EOA) Program

Bhola District-Burhanuddin Upazila

Please Choose Upazila **Borahanuddin**

Club Name	Location	Contact Number
Clubs name will be hyperlinked		

Pagination

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❑ **Proposed System Design Flow:**

Search

| **Home** | **About Us** | **Clubs** | **Gallery** | **News** | **Registration** |

Welcome to Empowerment of Adolescence (EOA) Program

Club Logo

Burhanuddin Upazila- Club ABCD

Images of Club ABCD

Club Name	
Address	📍
Email	
Contact No	
Organization Affiliation	
Number of Members	
Remarks	

| **Member Details** | **Complain or Communications** | **Other Buttons** |

Develop Digital platform for survey and collecting data on the overall performance of adolescent clubs in Bhola district to support the Ministry of Women and Children's Affair (MOWCA)

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❑ **Proposed System Design Flow:**

Search

| Home | About Us | Clubs | Gallery | News | Registration |

Welcome to Empowerment of Adolescence (EOA) Program

Club Logo

Burhanuddin Upazila- Club ABCD

Members Name	Location	Contact Number	Email
Members name will be hyperlinked	📍		

Club Home | **Member Details** | **Complain or Communications** | **Other Buttons**

Develop Digital platform for survey and collecting data on the overall performance of adolescent clubs in Bhola district to support the Ministry of Women and Children's Affair (MOWCA)

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❑ **Proposed System Design Flow:**

Search

Home	**About Us**	**Clubs**	**Gallery**	**News**	**Registration**

Welcome to Empowerment of Adolescence (EOA) Program

Club Logo

Burhanuddin UpZilla- Club ABCD

Members Image

Members Name

Address	
Email	
Contact No	
Organization Affiliation	
Activities	
Remarks	

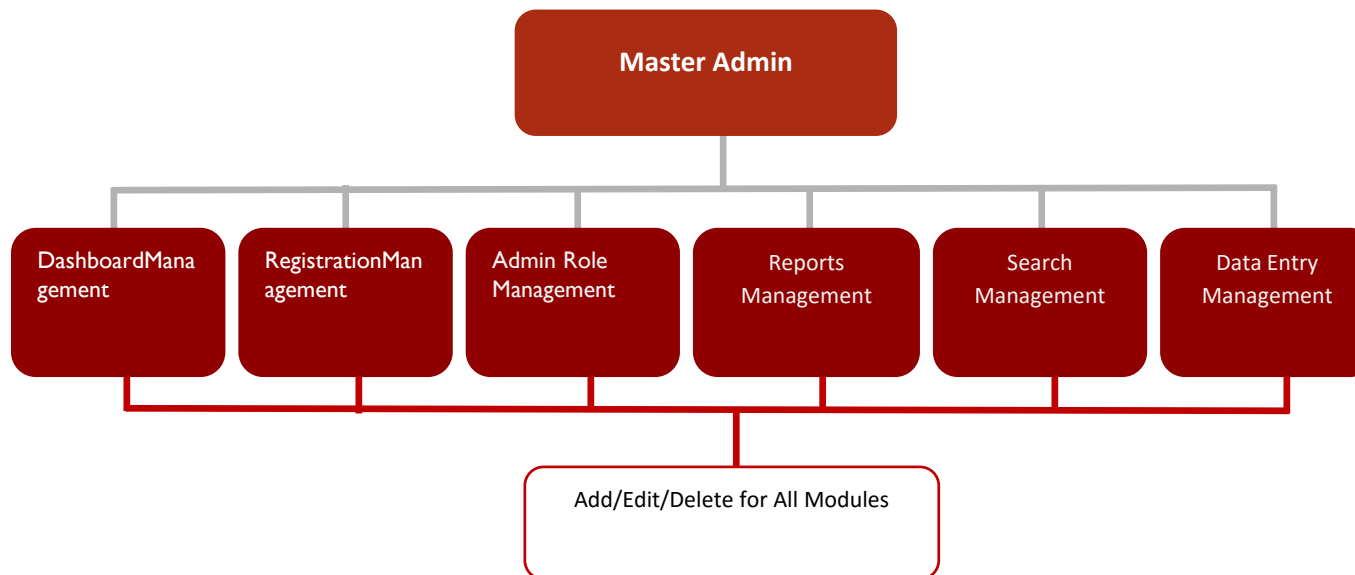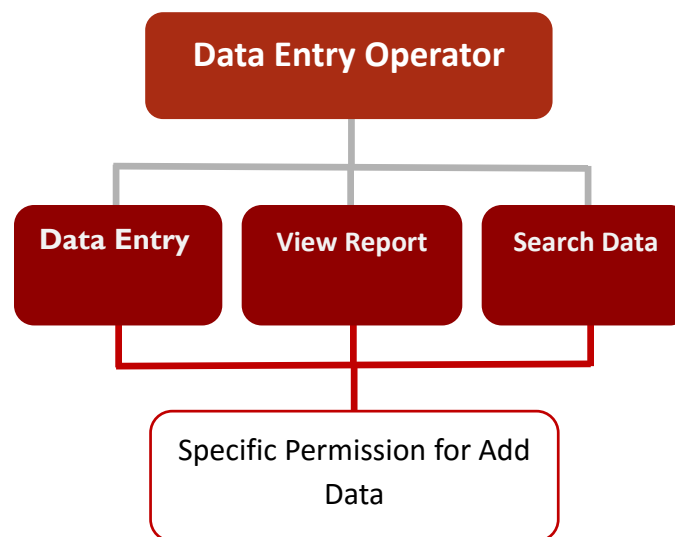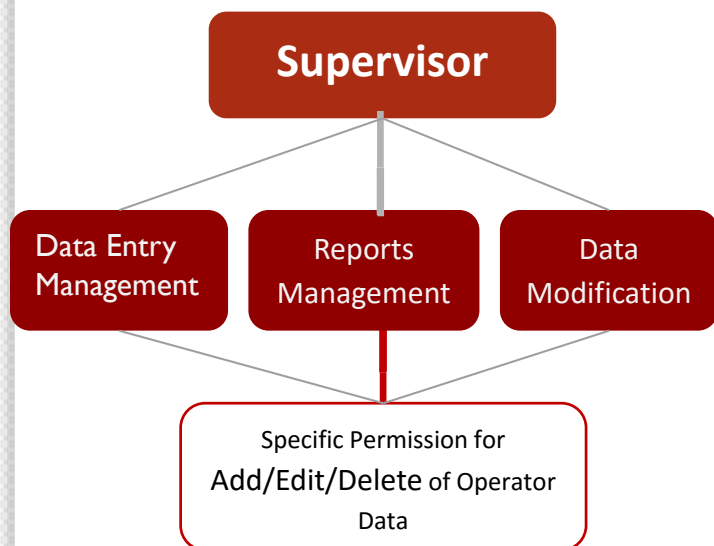| **Club Home**	**Member Details**	**Complain or Communications**	**Other Buttons**

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Develop **Digital platform for survey and collecting data on the overall performance of adolescent clubs in Bhola district to support the Ministry of Women and Children's Affair (MOWCA)**

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❑ Proposed System Design Flow:

Search

Home	About Us	Clubs	Gallery	News	Login

Welcome to Empowerment of Adolescence (EOA) Program

New User Please fill in and sign in

Already Member please sign in

Full Name	
Address	
Email	
Contact No	
User Name	
Password	
Retype PWD	

User Name	
Password	

Forget Password

Sign In

Submit

Club Home	Member Details	Complain or Communications	Other Buttons

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❑ Proposed System Design Flow for Admin

Access Level

| Master Admin | ➡ | Secure Login | ➡ | Supervisor | ➡ | Operartor |

```
                    Master Admin
                         |
  ┌──────┬──────┬────────┼────────┬──────┬──────┐
DashboardMana  Registration  Admin Role  Reports    Search     Data Entry
gement         Management    Management  Management  Management  Management
```

| DashboardManagement | RegistrationManagement | Admin Role Management | Reports Management | Search Management | Data Entry Management |

Add/Edit/Delete for All Modules

❑ Proposed System Design Flow for Admin/Operator

Access Level

Supervisor

- Data Entry Management
- Reports Management
- Data Modification

Specific Permission for Add/Edit/Delete of Operator Data

Data Entry Operator

- Data Entry
- View Report
- Search Data

Specific Permission for Add Data

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❑ **Proposed System Design Flow:**

Search

| **Home** | **About Us** | **Clubs** | **Gallery** | **News** | **Login** |

Welcome to Empowerment of Adolescence (EOA) Program

Login as Operator 1,

Dashboard

| Club Home | Member Details | Complain or Communications |

| Add Member | Other Buttons |

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❑ Proposed System Design Flow:

Home	About Us	Clubs	Gallery	News	Login

Welcome to Empowerment of Adolescence (EOA) Program

Login as Operator 1,

Dashboard		**Add Member**			
Member Account					

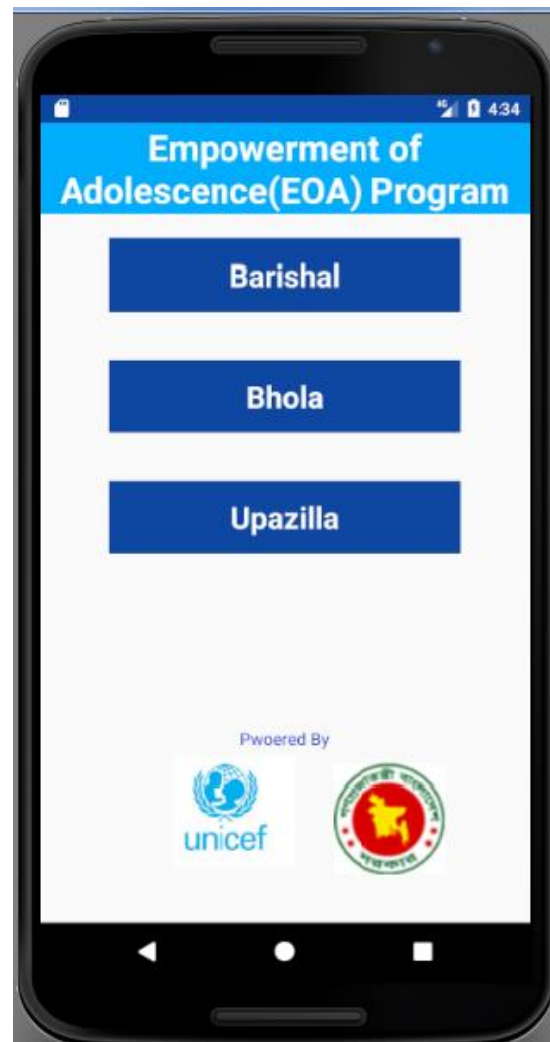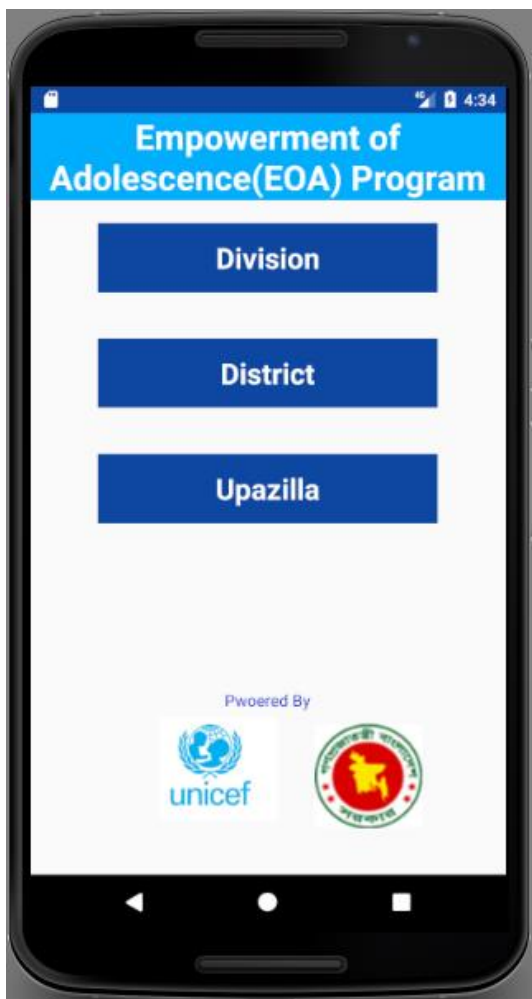| Full Name	Contact	Club Name	Edit	Delete

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❑ Proposed System Design Flow:

Search

Home	About Us	Clubs	Gallery	News	Login

Welcome to Empowerment of Adolescence (EOA) Program

Login as Operator 1,

Dashboard

Member Account

Add Member

Name	
Address	
Email	
Contact No	
Organization Affiliation	
Activities	
Remarks	
Images	Browse or take image to attach

Add

❑ **Technical Approach**

❑ *Server Information:*

- ❑ Dell R630 / M620 Blade
- ❑ Dual Intel Xeon E5 2600 series CPU with 12+ total processors
- ❑ 128GB RAM
- ❑ Local RAID10 storage with SSD or Dell EqualLogic SAN with SSD
- ❑ Required Disk Space (as needed)
- ❑ 100 E-mail Account
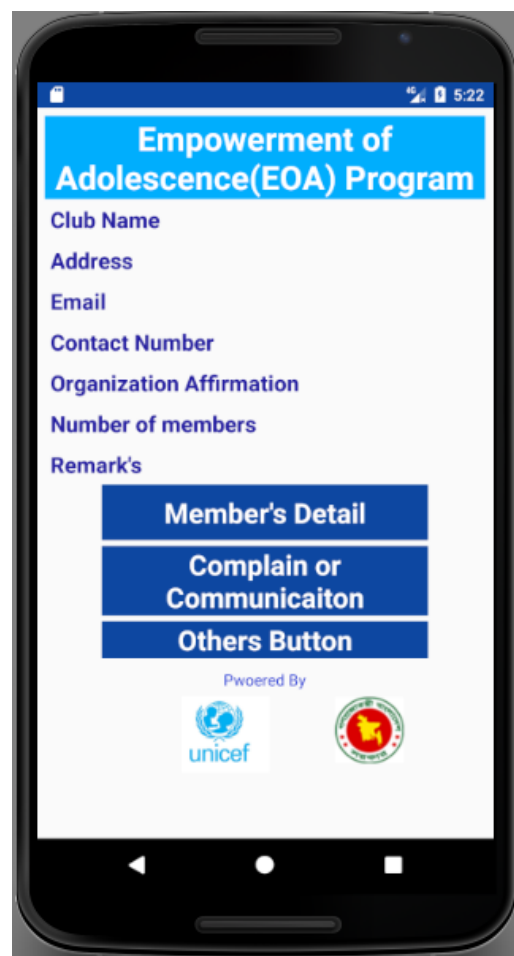- ❑ 24x7 Email, Web-based Tech Support

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❑ Web Security:

From Twister Media	From Server
Remove SQL injection. Session timeout.	Using Mod security to protect hosting from most known attacks.
Prevent duplication of Email/Username.	Firewall Protection, Virus scanner is available in the cPanel
Prevent session hijacking.	Spam Filter, Spam Assassin
Prevention of attack via FTP(site defacement).	Monitor files for malware using own system
Use content delivery network(CDN) for preventing DDos attack.	Protect hosting from DDoS attacks Hotlink Protection
Multilevel Hashing for password protection.	Backup database; UPS Power/Backup Generator

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❑ Sample view of Mobile Apps :

Search

❑ Sample View of Mobile Apps :

Search

❑ **Work Plan on Data Collection Exercise**

Tools to be Used

1. GIS Mapping
   a) Location of Club

1. Key informant interviews (KIIs)
   a) Fascilitator of the Adolescent Club
   b) Peer Leaders

2. Focus group discussions (FGDs)
   a) Club Members
   b) Community Group

3. Survey
   a) Adolescent Clubs

❑ Surveyors & Supervisors

- ❑ Total 30 Surveyors

- ❑ One Supervisor for every 10 Surveyors Cluster

- ❑ Supervisors will be female

- ❑ Project Coordinator for good communication and coordination among the project personnel and stakeholders

- ❑ Collected Data will be checked by the Supervisors

❑ Quality Assurance Mechanism

❑ An Expert Advisor for ensuring CP Parameters of the project

❑ Group based team plan on Specific Job and a group leader for every group

❑ Expert ICT Team with Experience in Similar Project

❑ Supervisors for Surveyors to Ensure Quality Data

❑ Any Mistake of Collected Data will be Checked by the Supervisors

❑ About 10% of Respondents will be Verified Randomly

❑ Ethical Considerations (against any Discriminations based on Age, Gender, Race, Ethnicity, Income Group etc.; Children Safety)

❑ Risk Management

- ❑ Mapping Stakeholders

- ❑ Access to Most Updated Data

- ❑ Access to the Sights

- ❑ Access to the Respondents

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❑ **Example of Similar Project Experience**

Create New Survivor Data | Create Old Survivor Data Entry | Export Survivor Data

Barguna	Bogra	Chittagong	Dhaka	Dinajpur	Jessore	Sylhet
2227 Survivor data	5416 Survivor data	4038 Survivor data	1 Survivor data	4390 Survivor data	5626 Survivor data	2942 Survivor data

Survivor Data List for Barguna

Show 10 entries   Search:

Victim ID	Victim Name	Gender	Father's Name	Age Group	District	Enrolled Date	Services	Edit	Delete	Export
Bar-17-34720	Mst. Sima Akter	Female	Md. Sabuz Sarder	Adult	Barguna	3 Dec, 2017				
Bar-17-34722	Mst. Rehena Begum	Female	Late. Joynal Abedin	Adult	Barguna	13 Dec, 2016				
Bar-17-34725	Mst. Simu	Female	Chan Mia Haowlader	Adult	Barguna	12 Dec, 2016				
Bar-17-34727	Mst. Shila Akter	Female	Md. Mosarof Akon	Child	Barguna	6 Dec, 2016				
Bar-17-34723	Mst. Jesmin Begum	Female	Md. Faruk Haowlader	Adult	Barguna	5 Dec, 2016				
Bar-17-34726	Mst. Moriom	Female	Md. Faruk	Adult	Barguna	4 Dec, 2016				
Bar-17-34728	Rima Akter	Female	Md. Khalek	Adult	Barguna	4 Dec, 2016				
Bar-17-34724	Sipra Rani	Female	Amol Ray	Adult	Barguna	3 Dec, 2016				
Bar-17-34641	Mst. Kona Begum	Female	Md. Habib Khan	Adolescent	Barguna	1 Dec, 2016				
Bar-16-34552	Sharmin	Female	Shahin Badsha	Adult	Barguna	24 Nov, 2016				

Showing 1 to 10 of 2,227 entries

First | Previous | 1 | 2 | 3 | 4 | 5 | Next | Last

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❑ **Example of Similar Project Experience**

🏠 Dashboard / Manage Survivor Data / Create New Survivor Data

Victim's Personal Information

District *	Bhola ▼
Upazila	Burhanuddin ▼
Union	No union found for this upazila ▼
Victim's Name *	Name
Father's Name *	Father's name
Mother's Name *	Mother's name
Spouse	Spouse
Contact No	Contact No
Gender *	○ Male ◉ Female
Age Group *	Select ▼
Age	Age
Marital Status *	Select ▼
Number of Child	Number of Child
Enroll Date *	05-12-2017 Date Format: dd-mm-YYYY
Address	Address

Victim's Other Information

Violence Type*
☐ Child Marriage
☐ Domestic Violence
☐ Dower/Maintenance
☐ Dowry
☐ Family Restoration
☐ Sexual Harassment
☐ Trafficking

Domestic Violence
☐ Emotional Abuse
☐ Financial Exploitation
☐ Physical Assault
☐ Sexual Abuse

Referred/Send By	Select Referred/Send By ▼
Referred Date	05-12-2017 Date Format: dd-mm-YYYY
Referred Person	Referred Person
Referred Person's Cell	Referred Person's Cell
Case History	Case History

Cancel   Save

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❑ Example of Similar Project Experience

🏠 Dashboard / Reports

Reports

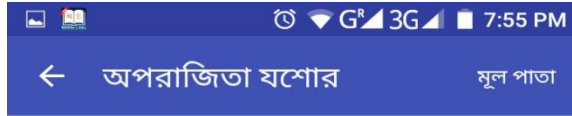| Date from *	05-12-2017	Date Format: dd-mm-YYYY
Date to *	05-12-2017	Date Format: dd-mm-YYYY
Field office *	All ▼	
Report Type *	Select Report Type ▼	
		📋 Get Report

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❑ Example of Similar Project Experience

❑ **Example of Similar Project Experience**

🏠 Dashboard / Reports / Survivor Services Summary

Survivor Services Summary
Protecting Human Rights (PHR) Program

Barguna

1 Dec, 2012 to 5 Dec, 2017

Time of Report Generated: 5 Dec, 2017 12:40:37

📥 Export In DOC   📥 Export In Excel

Name of Service	# of Service Provided
All Upazila	
ADR Settled	3
Case Filed	6
Legal Aid	1173
Legal Counseling	215
Livelihood	872
Medical	80
Psychosocial Counseling	1566
Shelter	4
Total	3919

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❑ Example of Similar Mobile Apps

❏ **Example of Similar Mobile Apps**

❑ TWCM Maintenance

- Take site backup for specific time interval.
- Monitoring the site regularly if there causes any mistake in the site.
- Take database backup for specific time interval.
- Twister Media monitor files for malware using own system.
- Twister Media provide quick response of client complain.
- Twister Media is very much attentive to each client.

❑ Twister Media Portfolio

Some of the client's we had opportunity to work and still working

Thank you

Presentation
Design and Developed by

TWISTER MEDIA !

www.twistermedia.com

contact@twistermedia.com
01819214616, 02-58610418