

Dhaka University of Engineering & Technology, Gazipur
Department of Computer Science and Engineering



Course Name: INFORMATION SYSTEM ANALYSIS & DESIGN

Course Code: CSE-3621

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Assignment NO: 01

Assignment Name: Take an example of any kind of computer based
information system according to My choice.

System Name: Digital Marriage System.

Submitted To

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Year/Semester : 3rd/2nd

Digital Marriage System

What is Digital Marriage system?

Our System is online base system. All marriage activity can be done by this online base system. I chose it because this system will help the government to make their service digital or online. It saves time and energy of the service taker.

Why Digital Marriage System is important:

In Bangladesh there exit a marriage system that is offline. Kazi/marriage register provide document during marriage.

But there is a risk. It has many Disadvantage.

1. Document can be damage by natural incidence and Document can be lost. So this is one kind of harassment for Marriage couple.
2. If a couple go to honeymoon then they should take kabin nama. But sometime they forget to carry kabin name. that reason they face problem.
3. For hotel booking couple need to show marriage document. But always they do not carry marriage document.
4. Any police check post they need to show marriage document. But always they do not carry it.

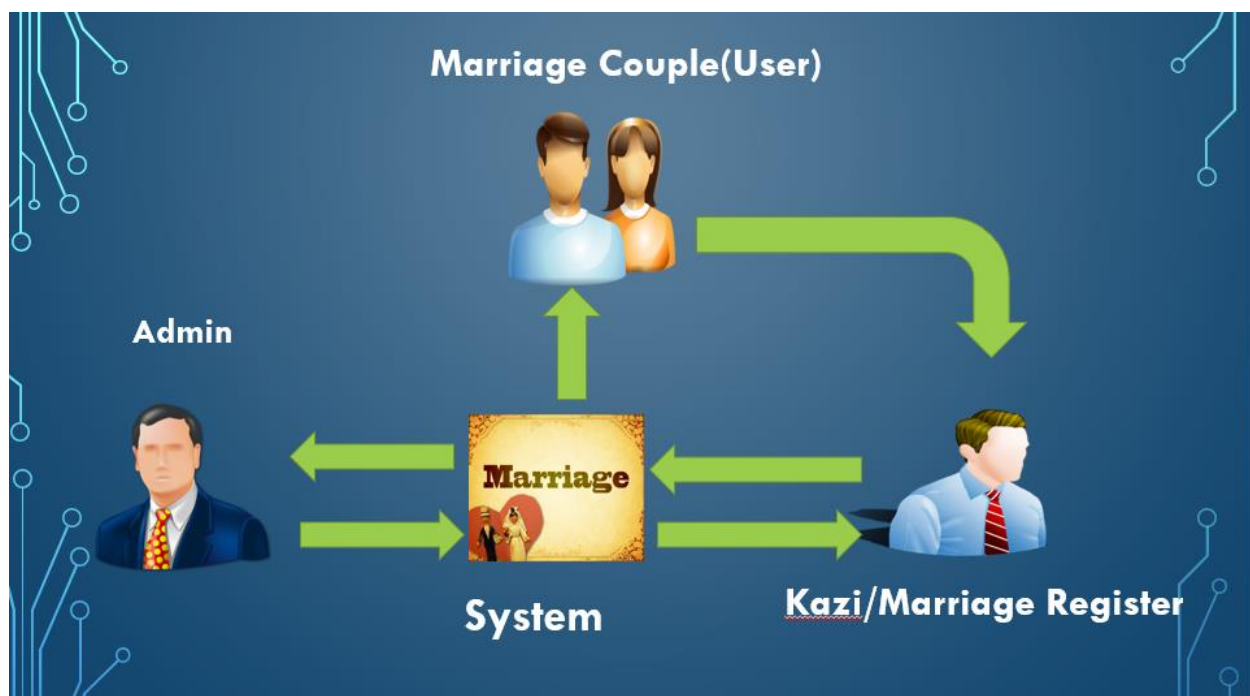
Digital marriage system overcome all of these disadvantage. User can download Marriage Document at any time at any where.

Advantage of Digital Marriage System: we know that all birth certificate are online now. So by this system kazi/ marriage register can

check marriage couple both eligible for marriage or not. By using this system we can stop.

1. Child marriage
2. Polygamy

How Digital System works: There are mainly 3 types of user in our system.



Kazi/Marriage Register: They can register for the marriage by the filling up the form. They Collect every information form the Married couple(user) and put them into the website. They request the moderator for verify the information and create a account for certified user.

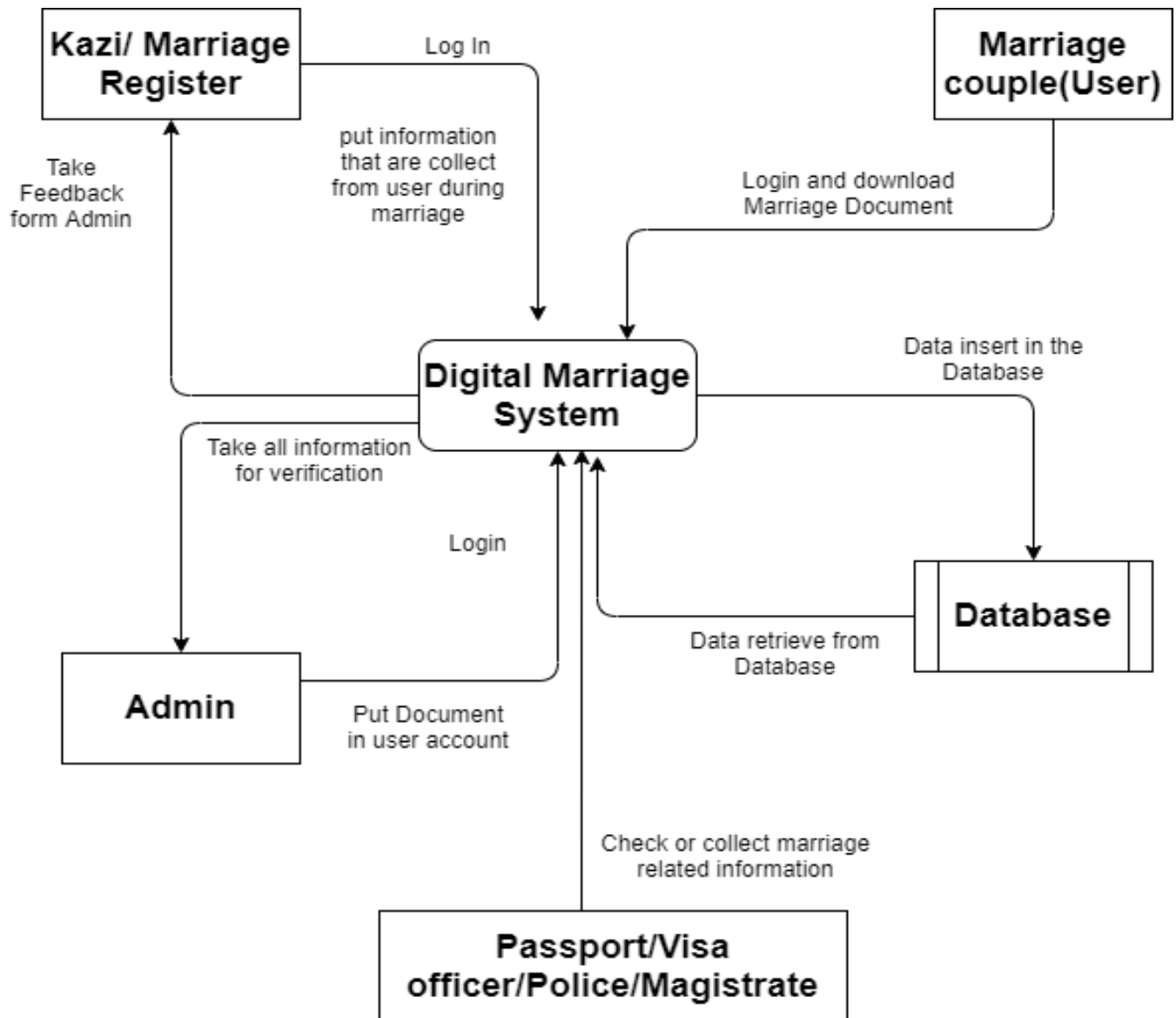
Admin: Admin have the total authority and responsible for the system. Admin are maintain the website. They accept the information

and verify that information. After verify if all information is ok then they create a account for user by unique registration number and provide marriage certificate into the account. Admin will inform user by phone message or email.

User: In this system User can not register for the marriage .user can login by marriage registration number and password . They can download their marriage certificate from their account.

Passport/Visa officer/Police/Magistrate: They collect marriage registration number from the user and check into our website is it valid or invalid.

Data Flow Diagram(DFD):

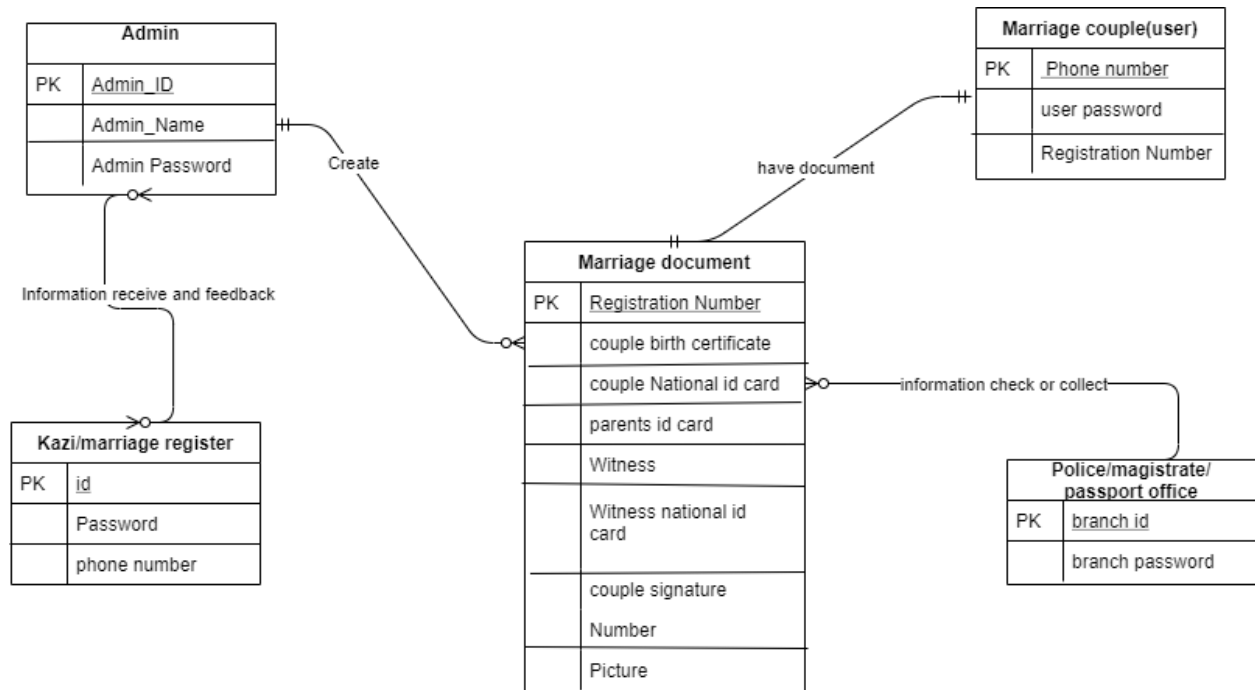


Tools and Technology used for Development:

- Python, Django, html, css, bootstarp, react, javascript
- MySQL or Oracle
- Draw.IO, Visio, Microsoft project, NCLASS

➤ Domain service

Data base schema:



Screenshot of sample input output:

Input:

Current Marital Status*

Documents*

Click Here to Upload/Change Proof of Date of Birth (PDF Only)
No file specified

Click Here to Upload/Change Proof of Present Address (PDF Only)
No file specified

Click Here to Upload/Change Proof of Permanent Address (PDF Only)
No file specified

Signature*

No Signature Provided

Click here to Upload Signature(if illiterate, RTI) with LTI

Full Name*

First Name

Middle Name

Last Name/Surname

Select Guardian Type*

☒ Parents
☐ Legal Guardian

Father's Name*

First Name

Middle Name

Last Name

Mother's Name*

First Name

Middle Name

Last Name/Surname

Date of Birth*

Religion*

Nationality*

☒ Indian
☐ NRI

Mobile Number*

Country Code
Mobile Number

E-Mail ID*

Local Name

@
Domain Name

Click here to Upload Photo with Signature

Aadhaar Number

☐
I, the holder of Aadhaar, hereby give my consent to MeitY/NIC/Directorate of Registrar General of Marriages, West Bengal/Inspector General of Registration, West Bengal to record my Aadhaar number for generation of Digital Marriage Certificate (DMC). I also give my consent for sharing of my Aadhaar number and my DMC with the Registrar General of Marriages, West Bengal for processing and intimation. MeitY/NIC/Registrar General of Marriages, West Bengal/Inspector General of Registration, West Bengal have informed me that my Biometric Information will not be stored/shared.

Occupation*

BPL*

☐ Yes
☒ No

Present Address*



☐ Within West Bengal

☐ Outside West Bengal

☐ Outside India



Premises Name & Number

Country

Sub Division

Police Station

Post Office

Street/Locality Name

State

RURAL

Area

Gram Panchayat

District

Block

Village

YY MM DD

Length of Residence

Permanent Address*



☐ Same as Present Address (Click if applicable)



☐ Within West Bengal

☐ Outside West Bengal

☐ Outside India

Premises Name & Number

Country

Sub Division

Police Station

Post Office

Street/Locality Name

State

RURAL

Area

Gram Panchayat

District

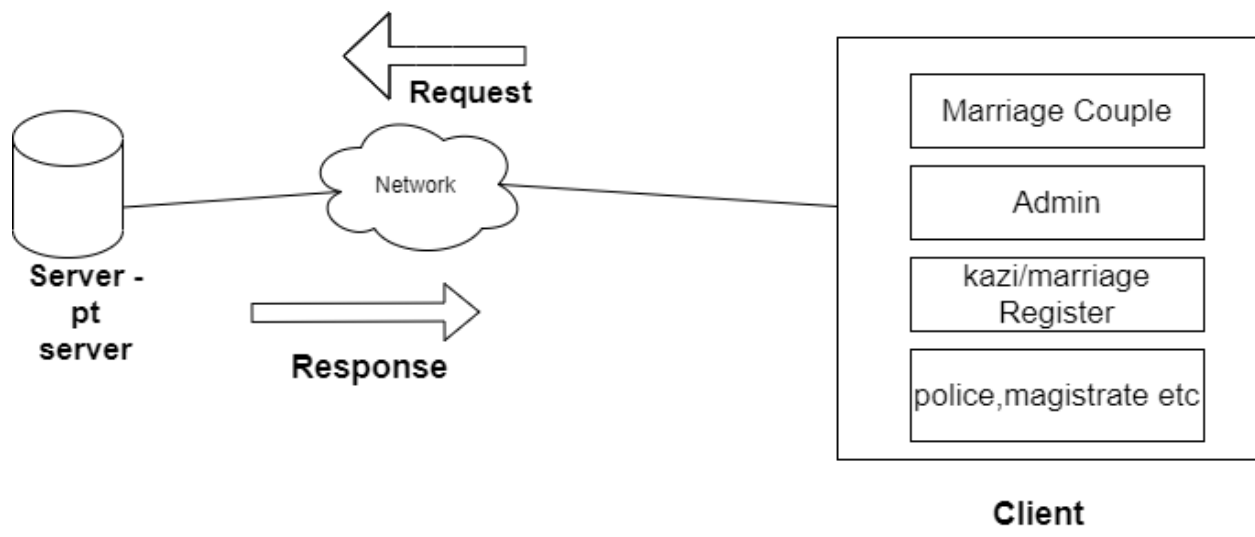
Block

Village

Output:



client/server and internet based architecture:



Conclusion: The system is finally executed and all the basic function and the features that is planned to be included are available in the system. This system will help the government to make their service digital or online. It saves time and energy of the service taker whereas it makes the service provided more efficient and effective.