Implementation of E-Demand Draft

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ABSTRACT
E-demand draft is an online Demand Draft generating application. E-demand draft is an application which will help us to generate a demand draft online by the user itself. Thus this application will reduce the work of the banks and will help the customer to get a new facility at their place as result both can reduce their time of work. For each sub-task some classical and updated methods in literatures are analyzed. Based on the study, an combined solution for implementation of E-demand draft developed for demonstration. Demonstration program is coded in .NET. For the program, some optimization at coding level and existing system level are proposed to improve the performance of online Demand Draft system. This system is shown by generating Demand Draft sitting at home and taking print out of the generated Demand Draft on stamped sheet provided by the bank.

General Terms
E-demand draft is an application which will help us to generate a demand draft online by the user itself. Thus this application will reduce the work of the banks and will help the customer to get a new facility at their place as result both can reduce their time of work.

Keywords
Online demand draft, payment gateway, user, E-demand draft

1. INTRODUCTION
Banks have traditionally been in the forefront of harnessing technology to improve their output, services and efficiency. They have been a long time using electronic and telecommunication networks for delivering a wide range of value added products and services. The delivery channels has direct dial – up connections, private networks, public networks etc and the devices include telephone, Personal Computers combined with the Automated Teller Machines, etc. With the acceptance of PCs, easy access to Internet and World Wide Web (WWW), Internet is increasingly used by banks as a channel for receiving instructions and delivering their products and services to their customers. This type of banking is generally called as Internet Banking, which generates the range of products and services offered by different banks vary widely both in their content and sophistication.

Now we are trying to develop an application which will help us to generate a demand draft online by the user itself. Thus this application will reduce the work of the banks and will help the customer to get a new facility at their place as result both can reduce their time of work. A demand draft, is known as a cheque created by remote user like banks. It is a check created by a tradesman with a buyer's account number on it, but there is no buyer's original signature.

Drafting a cheque means creating a valid and verified copy of the customer's cheque, on his or her behalf. Because it is created by the tradesman, there is no need for signature. A check draft is mainly used for depositing money only.

In India, a Demand Draft basically contains an order of one branch of a bank (Drawer branch) meant for specified branch of the same bank (Drawer branch) to pay on demand the required sum of money to a specified branch (Payee) . It is an Account payee method, meaning it can only be credited to the account of the payee and cannot be cashed on the counter by the payee. A Demand Draft is a much safe and secure method of payment than cheques, in the case of cheques, an individual is the one who has to draw and hence the cheque can be dishonored by the drawee bank due to insufficient balance in the drawer's account. But since in case of a DD, the drawer is a bank, payment is fixed and it cannot be dishonored. It is a method used for effecting transfer of money.

It is a method which is certain and has no Negotiation. to get a "DD" from a Bank, we are need to fill an application form which has the following information:

- Name of the receiving bank branch
- Amount needs to be transferred
- Place, where the transferred money needs to be paid
- Mode through which you will pay money to the Bank i.e. through cash or by debit to your account

The application form along with the cheque is deposited to the clerk who provides you Demand Draft for the amount.

Thus we are trying to develop a system which reduces manual work. But now days this we can also do online but in that also we have to submit the details and we get the draft in different ways. But through this system we are trying to develop demand draft at our place only. The world over, central bankers and regulators have been addressing themselves to meet the new challenges thrown open by this form of banking. Several studies have checked out to the fact that the cost of delivery of banking service through Internet is several times less than the traditional delivery methods. This reason is enough for banks to flock to Internet and to deliver more and more of their services through Internet and as soon as possible.

2. EXISTING SYSTEM
In the existing online demand draft system user can not generate the online demand draft at its own end. The person who wants to generate demand draft need to first enter the details online at bank's website and then bank will generate demand draft after fetching all the details. The person has to

go to the bank to collect the demand draft, this is the limitation of the existing system.

3. PROPOSED SYSTEM

The aim of the proposed system is to make the existing system simpler. Thus we are developing a system which will help us to generate a demand draft online by the user itself. Thus this application will reduce the work of the banks and will help the customer to get a new facility at their place as result both can reduce their time of work.

Expected advantages of the proposed System
The system is very simple in design and to implement. The system will work in almost all configurations.

Table 1Existing System and Proposed System

Existing System	Proposed System
Time consuming	It reduced the overall time
More man power	Less man power
Needs manual work	It does not require manual work
Less services	Better services.
Less user friendliness and interactive	More user friendly and interactive
More work needs to be done	Less work needs to be done

4. METHODOLOGY

We are using an approach in which we are extending the existing Online Demand Draft application. In this approach the customer can generate Demand Draft online sitting at home, there is no need to go to the bank for making draft. This approach will reduce the overall time of both banks and customers, this also reduces the manual work and banks will generate more revenue.

How to achieve this approach:
Firstly the user will go on to particular bank website. The customer then has to login into his/her account through different options. These options can be defined as:

1) Net banking: It will prompt to enter login and password and then click on submit.

2) Customers who do not have Net banking can enter their account number and ATM number to access the online demand draft application.

Secondly choose the given option for online Demand Draft. Thirdly the customers will have to fill all the details that are required for the generation of online Demand Draft. These details will be:

• Name of the account holder.

• Address of the account holder.

• Demand Draft in favor of.

• Amount to be entered on Demand Draft.

The MCR code will be generated automatically each time when a request for Demand Draft will be made. MCR code will be generated by using key generation algorithm and will be encrypted, after the generation of Demand Draft the amount will get deducted from the user's account and this

whole transaction between customer and bank will be made secure by using Payment Gateway.
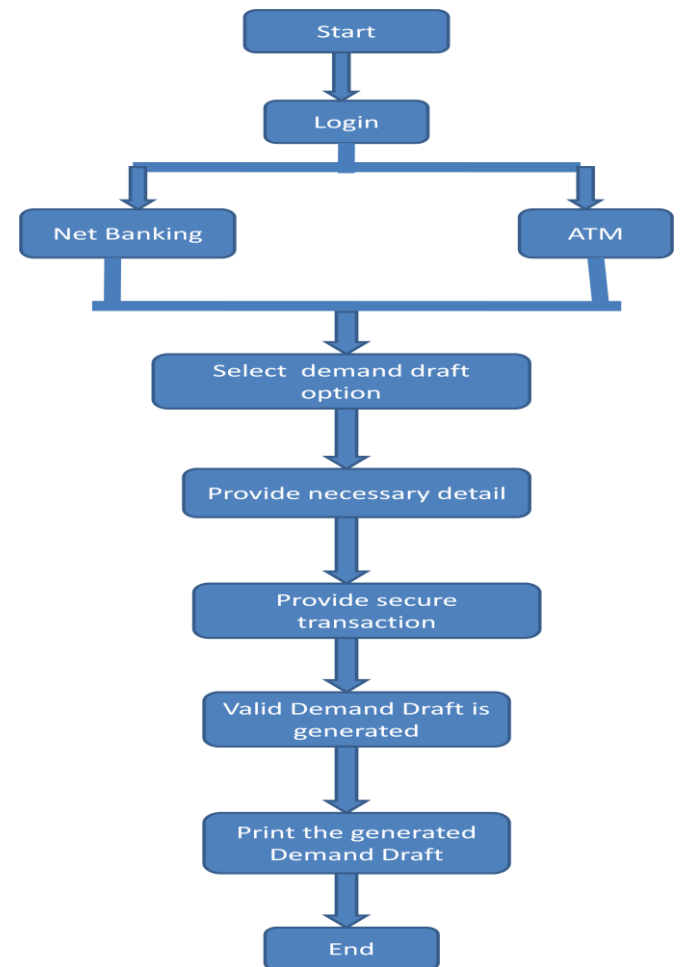

Fig: 1 Flow chart for the implementation

A payment gateway is an e-commerce application service provider whose function is to authenticate payments various applications like e-businesses, online retailers . It is equal to a physical point of sale terminal situated in most retail outlets. Payment gateways provides secure credit card details by encrypting important information, such as credit card numbers, to check that information is securely passed between the customer and the tradesman and also between tradesman and the payment processing system.

After making secure transaction the customer can take the print out of generated Demand Draft on the stamped sheets. Stamped sheets will be provided by the banks in the form of cheque book and bank will charge for these stamped sheets. In order to maintain the record of these Drafts a copy of generated Draft will be sent automatically to the bank to maintain record of online generated drafts.

5. RESULT

The first page will be login page. The user will enter login Id and password. After successful login user will redirect to new page that will be Demand Draft application form page.

Fig: 2 Login Page

If the user will be a new user then user have to register himself this will be the page where user will actually fill the details regarding demand draft. These details will be - Amount of the demand draft, Applicant's Signature, Address. After filling all these details and clicking on continue the user will redirect to online demand draft payment processing page.
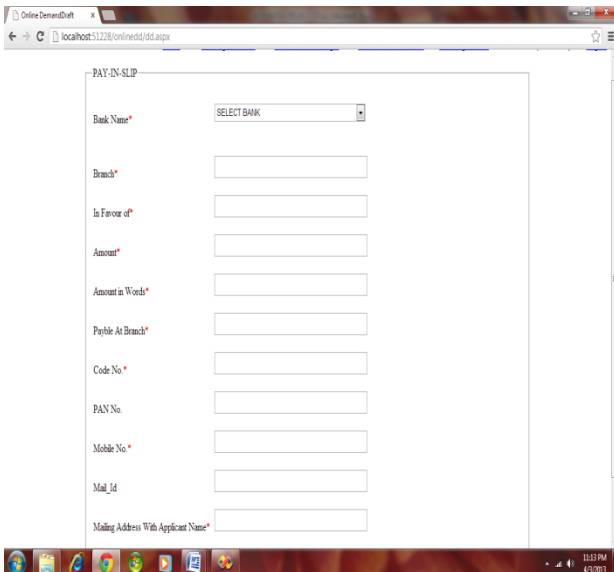

Fig: 3 Registration Page

Now from this it is supposed to redirect to payment gateway through from which we will be doing our secure transaction. For making transaction the user will first have to choose the mode of processing and then user have to fill the details regarding amount, name etc.
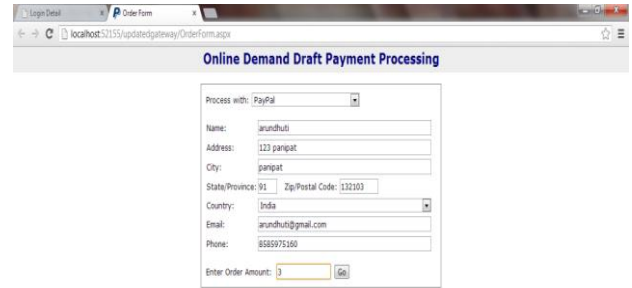

Fig: 4 Payment Processing Page

After clicking on go button the user will be redirected to pay pal through which user can make secure transaction and user will first have to login with the pay pal account. We can also choose any other payment gateway.
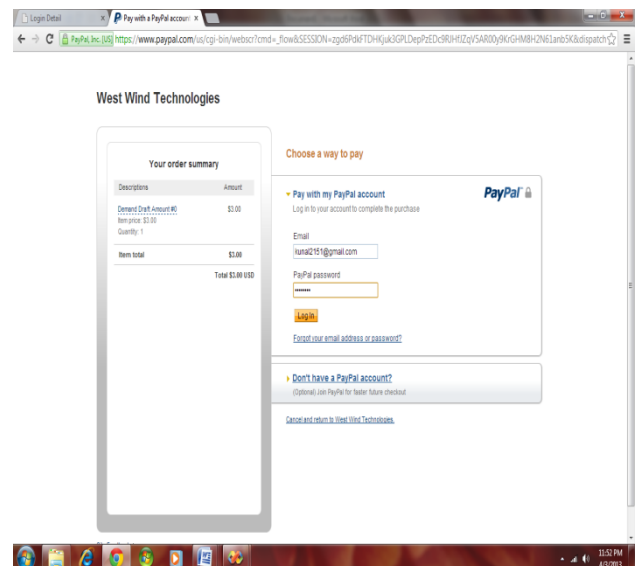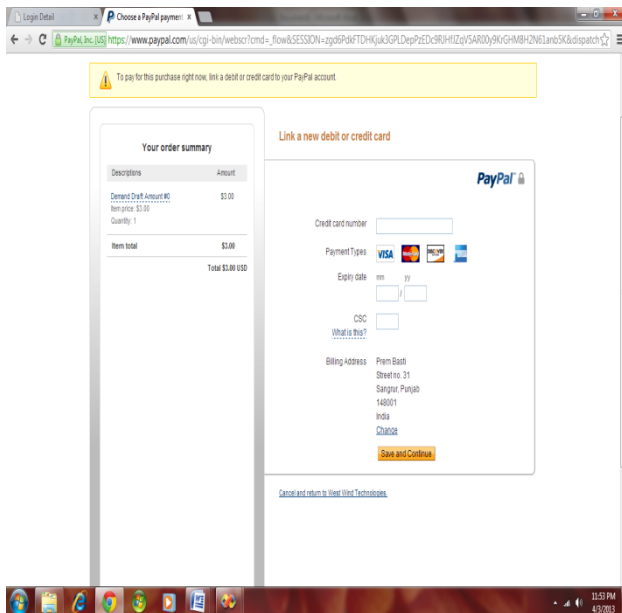

Fig: 5 Pay Pal Login Page

Fig: 6 Payment gateway.

Demand Draft will be generated after making the secure transaction.

Fig: 7 Demand Draft

The user can also see the records of previously generated drafts.

Fig: 8 Previous Drafts record

We can also check the last login details for security purpose.

Fig: 8 Last Login Details

6. TECHOLOGY USED

Dot Net is a web based Technology which is used to develop web based application. There are many features of Dot Net programming language such as

- Dot Net is very simple programming language.

- Dot Net supports object oriented features.

- Dot Net is very secure.

- Dot Net is very reliable.

- Dot Net is robust.

- Dot Net is platform independent.

7. CONCLUSION AND FUTURE SCOPE

There is great a capacity for the project to be extended and improved if seriously taken care by the government for its further implementation.

We have managed to develop an application which will help us to generate a demand draft online by the user itself. Thus, this approach will reduce the overall time of both banks and customers, this also reduces the manual work and banks will generate more revenue and will help the customer to get a new facility at their place as result both can reduce their time of work. Conventionally, the people have to go to the bank for collecting demand draft or the bank has to send it through post at the mentioned address. Here we have provided a facility where people can generate demand draft sitting at home and they can take out the print out of the demand draft in the same manner as we take the print out of the online generated ticket.

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