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SETWIN ONLINE LOANS MANAGEMENT SYSTEM

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ABSTRACT :

The project entitled "Setwin Online Loans Management System" facilities to perform online Government loan processing in Setwin office. The Project is designed to make all the district offices information regarding loan applications, Sanction Process. Setwin office is a government organization, which gives loans to unemployed citizens. For this process unemployed should give their application in the Setwin office of the concern district   and the office makes various processes for the applications. Then the applications are sent to Revenue Office, Hyderabad. This entire process now is manual. We have designed an online process for the Setwin office to make all the districts employee loan information.

Keywords:setwin,petty,loans

INTRODUCTION :

The project entitled **"Setwin online loans management system"** facilities to perform online Government loan processing in Setwin office.The Project is designed to make all the district offices information regarding loan applications, Sanction Process. Setwin office is a government organization, which gives loans to unemployed citizens. For this process unemployed should give their application in the Setwin office of the concern district   and the office makes various processes for the applications. Then the applications are sent to Revenue Office,Vijayawada. This entire process now is manual. We have designed an online process for the Setwin office to make all the districts employee loan information.

1.1 PURPOSE

The main purpose of project is to provide detailed information regarding government online loan scheme service and facilitates to the customers. The Project is designed to make all the district offices information regarding loan applications, Sanction Process. Setwin office is a government organization, which gives loans to unemployed citizens. For this process unemployed should give their application in the Setwin office of the concern district   and the office makes various processes for the applications. Then the applications are sent to Revenue Office, Hyderabad. This entire process now is manual. We have designed an online process for the Setwin office to make all the districts employee loan information.

1.2 SCOPE

In terms of scope, The project Online Setwin Loans Process is designed to facilitate loan processing in Setwin Office and give various reports useful for Setwin authority to submit to revenue section.   The Project is designed to make all the district offices information regarding loan applications, Sanction Process. Setwin office is a government organization, which gives loans to unemployed citizens. For this process unemployed should give their application in the Setwin office of the concern district and the office makes various process for the applications.   Then the applications are sent to Revenue Office, Hyderabad. This entire process now is manual. We have designed an online process for the Setwin office to make all the districts employee loan information. This portal addresses to the stated need in diligent manner.   This Activity provides maintenance of Revenue Divisions, Mandal/ Municipality, Bank Details.   For Loan processing the Setwin office has divided their categories into District Divisions, Mandals of Divisions and Banks of Mandals.

1.3 NEED FOR SYSTEM

The objectives provided by the project are as follows:
- The Project maintains information of all districts every district in Andhra Pradesh is having Setwin office for giving loans to unemployment so they will be self employed by government.
- The Project is designed in such manner that it maintains the information related loans and gives reports required by the Setwin authority.
- This system reduces the time consumption; cost incurred and also reduces the workload on government authority people.
- This system also provides user-friendly environment, which can be understand by all people.

- It just requires the minimum operation of the computer

1.3.1 EXISTING WORK

- The existed system is the automation of Setwin Office loans process maintenance of information, receiving loans and processing the loans, preparing reports is manual.
- This process is very time consuming process for authorities.

Disadvantages

- Updating and searching the details is difficult and time consuming.
- Consuming a lot of space in maintaining the records of the system.

1.3.2 PROPOSED SYSTEM

The proposed system is automation of Setwin Office Loans Activities. The Setwin Office Loan   process is now off line and it is killing the time of Setwin authority to prepare reports. We have designed a Online Process for computerization of Setwin Office Loans. The Project maintains information of all districts every district in Andhra Pradesh is having Setwin office for giving loans to unemployment so they will be self employed by government. The Project is designed in such manner that it maintains the information related loans and gives reports required by the Setwin authority.This system reduces the time consumption; cost incurred and also reduces the workload on government authority people. This system also provides user-friendly environment, which can be understand by all people. It just requires the minimum operation of the computer.

ADVANTAGES

- The Project maintains information of all districts every district in Andhra Pradesh is having Setwin office for giving loans to unemployment so they will be self employed by government.
- The Project is designed in such manner that it maintains the information related loans and gives reports required by the Setwin authority.

2.1 RELATED WORK

The growth and success has evolved from our ability to foresee customer challenges and address them with apt solutions. Our teams, comprising of research innovators, architects and developers have constantly worked on developing products, solutions and mission-critical applications.

Started with Visual SHIFT, the initial product that addressed the Y2K problem. It received global acclamation and was awarded "Product of the Year" by Defamations under Y2K product category. Gartner Group, the research and consulting organization, rated Visual SHIFT as "Best in Class". It also won the accolades of being the "Best Product" from HYSEA.

2.2.1 SYSTEM ARCHITECTURE

Setwin online loans management system, also known as digital government and online government. It refers to the use of internet technology as a platform to exchange information or data and provide services and transactions with citizens, businesses, and other government arms[4]. As a system analyst, the electronic governments have three requirements: (1) all e government services based on electronic information hardware systems, and digital networking technologies to connect from one system to another, (2) integrated system becomes essential to handle the public aspiration and issues, and (3) newly developed, advanced, and revolutionary to support the government management system better than ever. Integrated e-government has two or more departmental systems that can interconnect and interact to exchange information. It means that the government system can access other systems for service requests. The e-government portal provides services in the form of information services or process flow services [3]. Figure 1 describes the details of the government information sources on domain structures in a component diagram. There are two simple main components, display level on government information display, and service level on department service provider. The display levels show the required information to the citizen or internal department which is usually needed by the chairman of some department. Furthermore, service level contains many applications, and each application produces some services sent information to simple web service management and consumed by information display to provide new information.
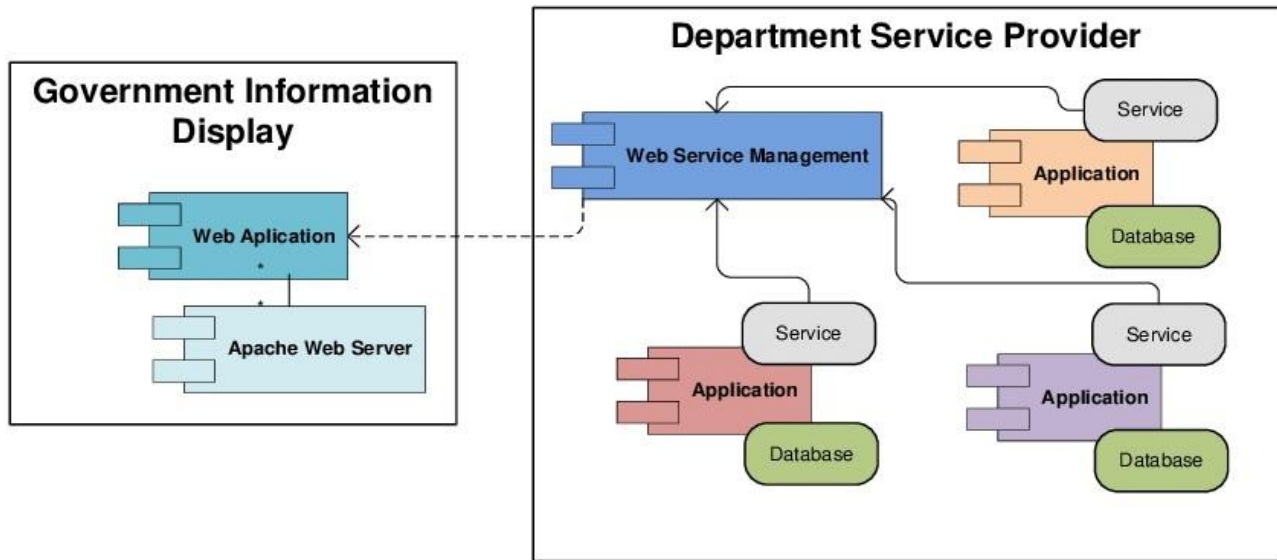
Fig.2.2.3 System Architecture

2.3 PROPOSED MODULES

The modules in the project "Government Schemes management system"
They are:

- Administrator Module
- Revenue Office Module
- District Office Module
- Banker Module
- Citizen Module

2.3.1 ADMINISTRATOR MODULE

This activity provides maintenance of revenue divisions, mandal /municipality and bank details. For loan processing the office has divided their categories into revenue offices, district divisions and banks.

2.3.2 REVENUE OFFICE MODULE

Module performs the activities of Revenue Office in Hyderabad, which receives all the loan applications from all the district offices; they process various activities and selects applications, which satisfies the criteria. The sanctioned applications are transferred to concern district office and Bank allotted. The module performs given activities.
- Receives applications from various district offices.
- Process various constraints and selects the satisfied criteria applications
- The sanctioned applications are transferred to bank and district office for processing process.
- They set targets for district offices.

3.3 DISTRICT OFFICE MODULE

This module activities are work processed in the District SETWIN Office, this performs receiving of applications, Processing, Selection and uploading the processed applications to Revenue Office for approvals. This module has further many activities like:
- SETWIN TARGETS
    2This activity sets targets of Unemployed loans category wise, mandal wise and division wise. So that the loans specified in the target are only processed in receiving and sanction of applications.

- SETWIN LOANS

  This activity receives Loans from Citizens. The loans are classified into three types like Individual loans, Petty Business, Group Loans. Individual loans are up to 1.00 Lakh for small Business. Petty Business Loans are up to 25 thousands and Group Loans are up to 5 Lakhs for Small Scale Industry. The activity receives loans applications for loan processing.

2.3.4 BANKER MODULE

OTHER ACTIVITIES

- **Sanctions:** This section selects received loans and processes various conditions and selects the applications, which satisfies constraints for loan.
- **Communication:** This section provides details of all the high authorities names, Address and Phone Numbers for general enquiry process.
- **Training:** This section maintains the information of training details to the Individuals or groups. The sanctioned loan applications candidates should be trained in the business. Once the training is complete loans are sanctioned.
- **Reports:** This Section provides various reports for Setwin authority for analysis and submitting them to revenue department. Provides various reports like
- Mandal Wise Report
- Bank Wise Report
- Division Wise Report
- Loan Type Report
- Time and Date Reports
- Loan Sanctioned Reports
- Loan Cancellation Report

2.4. USER CONSTRAINTS

User Constraints for project is analyzed in this phase and business proposal is put forth with a very general plan for the project and some cost estimates. During system analysis the feasibility study of the proposed system is to be carried out. This is to ensure that the proposed system is not a burden to the company. For feasibility analysis, some understanding of the major requirements for the system is essential.
- ECONOMICAL CONSTRAINTS
- TECHNICAL CONSTRAINTS
- SOCIAL CONSTRAINTS

2.4.1 ECONOMICAL CONSTRAINTS

This study is carried out to check the economic impact that the system will have on the organization. The amount of fund that the company can pour into the research and development of the system is limited. The expenditures must be justified. Thus the developed system as well within the budget and this was achieved because most of the technologies used are freely available. Only the customized products had to be purchased.

2.4.2 TECHNICAL CONSTRAINTS

This study is carried out to check the technical feasibility, that is, the technical requirements of the system. Any system developed must not have a high demand on the available technical resources. This will lead to high demands on the available technical resources. This will lead to high demands being placed on the client. The developed system must have a modest requirement, as only minimal or null changes are required for implementing this system.

2.4.3 SOCIAL CONSTRAINTS

The aspect of study is to check the level of acceptance of the system by the user. This includes the process of training the user to use the system efficiently. The user must not feel threatened by the system, instead must accept it as a necessity. The level of acceptance by the users solely depends on the methods that are employed to educate the user about the system and to make him familiar with it. His level of confidence must be raised so that he is also able to make some constructive criticism, which is welcomed, as he is the final user of the system.

HARDWARE REQUIREMENTS

- Processor   :   I3 or higher

- Speed : 2.9 GHz
- RAM : 4 GB (min)
- Hard Disk : 500GB

2.6 SOFTWARE REQUIREMENTS

- Operating system **:** Windows 10 above
- Coding Language : java
- Back-End : Django-ORM
- Designing : Html,DHTML,CSS, JavaScript
- Data Base **:** oracle

NON FUNCTIONAL REQUIREMENTS

FUNCTIONAL REQUIREMENTS

Functional requirements describe what the system should do. The functional requirements can be further categorized as follows:

- What inputs the system should accept?
- What outputs the system should produce?
- What data the system must store?
- What are the computations to be done?

The input design is the link between the information system and the user. It comprises the developing specification and procedures for data preparation and the steps are necessary to put transaction data in to a usable form for processing that can be achieved by inspecting the computer to read data from a written or printed document or it can occur by having people keying the data directly into the system. The design of input focuses on controlling the amount of input required, controlling the errors, avoiding delay, avoiding extra steps and keeping the process simple. The input is designed in such a way so that it provides security and ease of use with retaining the privacy. Input Design considered the following things:

1. What data should be given as input?
2. How the data should be arranged or coded?
3. The dialog to guide the operating personnel in providing input.
4. Methods for preparing input validations and steps to follow when error occur.

NON-FUNCTIONAL REQUIREMENTS

Non-functional requirements are the constraints that must be adhered during development. They limit what resources can be used and set bounds on aspects of the software's quality.

User Interfaces

The User Interface is a GUI developed using Python.

Software Interfaces

The main processing is done in Java and console application.
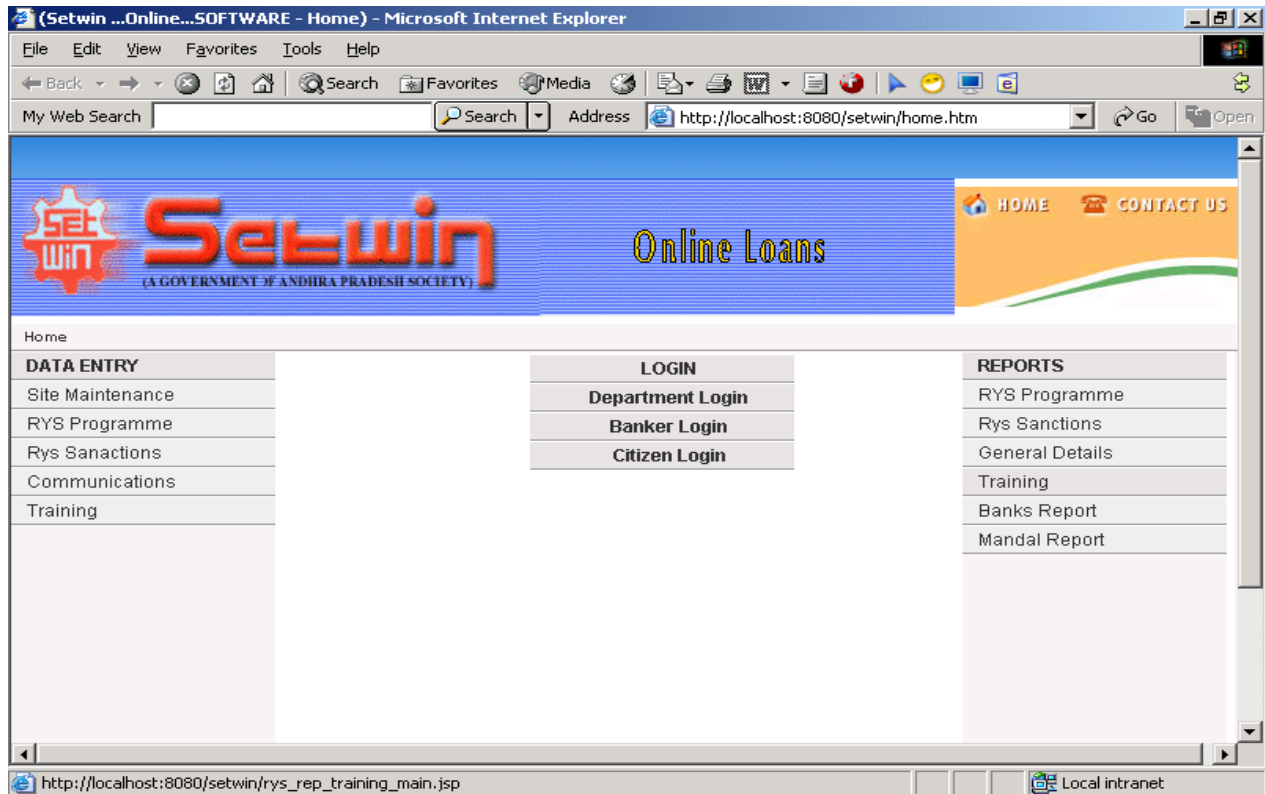
Manpower Requirements

5 members can complete the project in 2 – 4 months if they work fulltime on it.
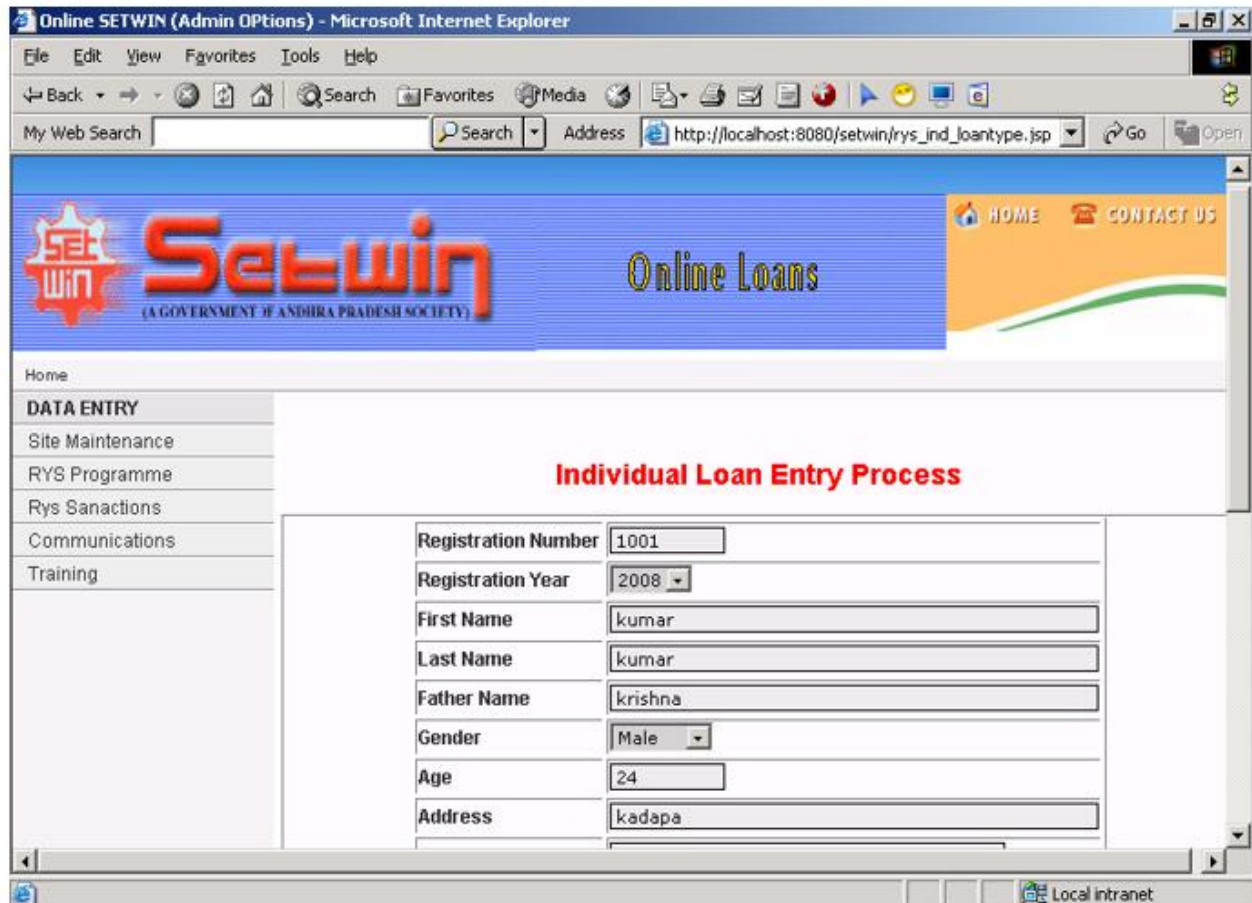
Conclusion

The need for the Setwin Office Loans computerizes processing and servicing the customer request through automated modules is most necessary and now inevitable. This is the application developed for doing the government self-employment loan process on the Internet. In addition to this we also provided reports, which required for authority for analysis and submissions to higher authority. The project is helpful for the Setwin authority to maintain and process loan processing. We develop Online Application Process for Citizens so that unemployed can fill their application through Online and findout their application status.
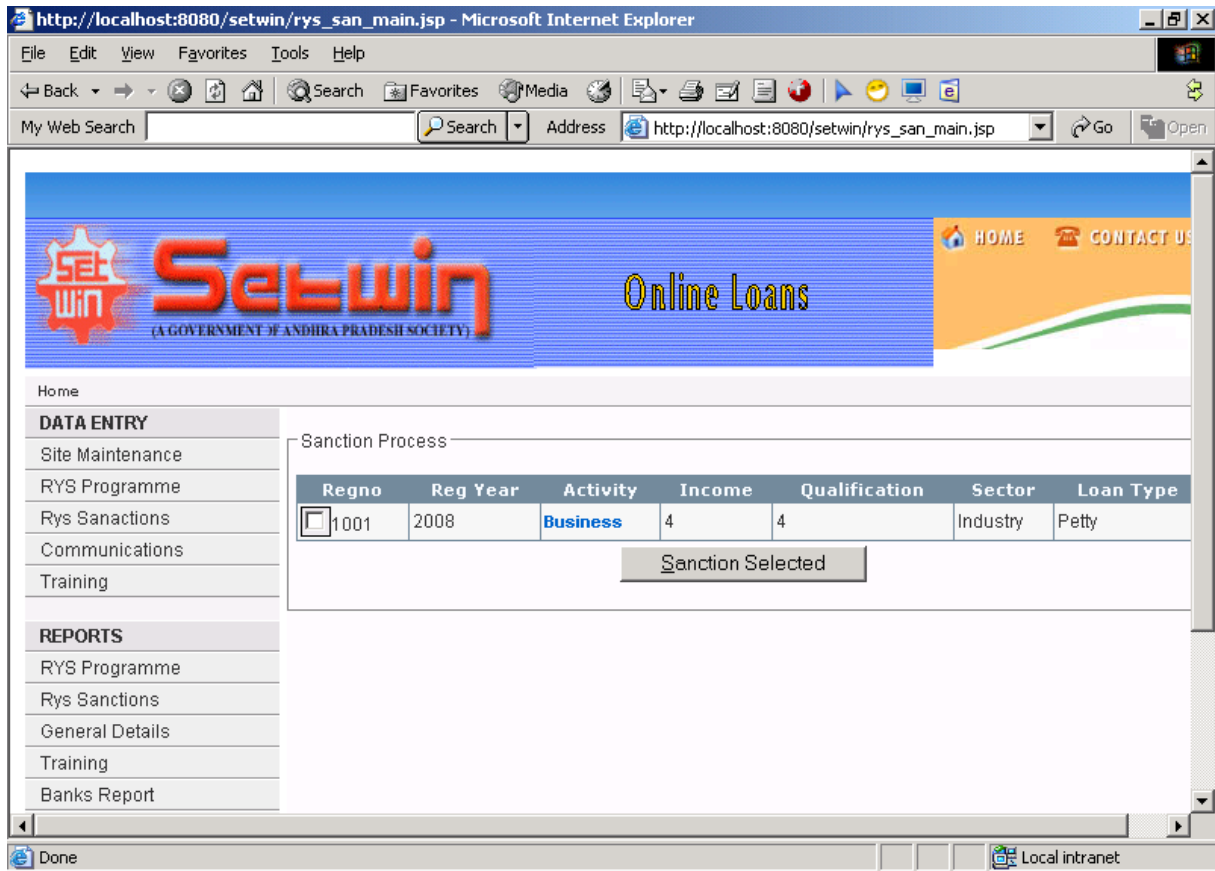
4. SAMPLE SCREEN

Screen 4.1: Home Page

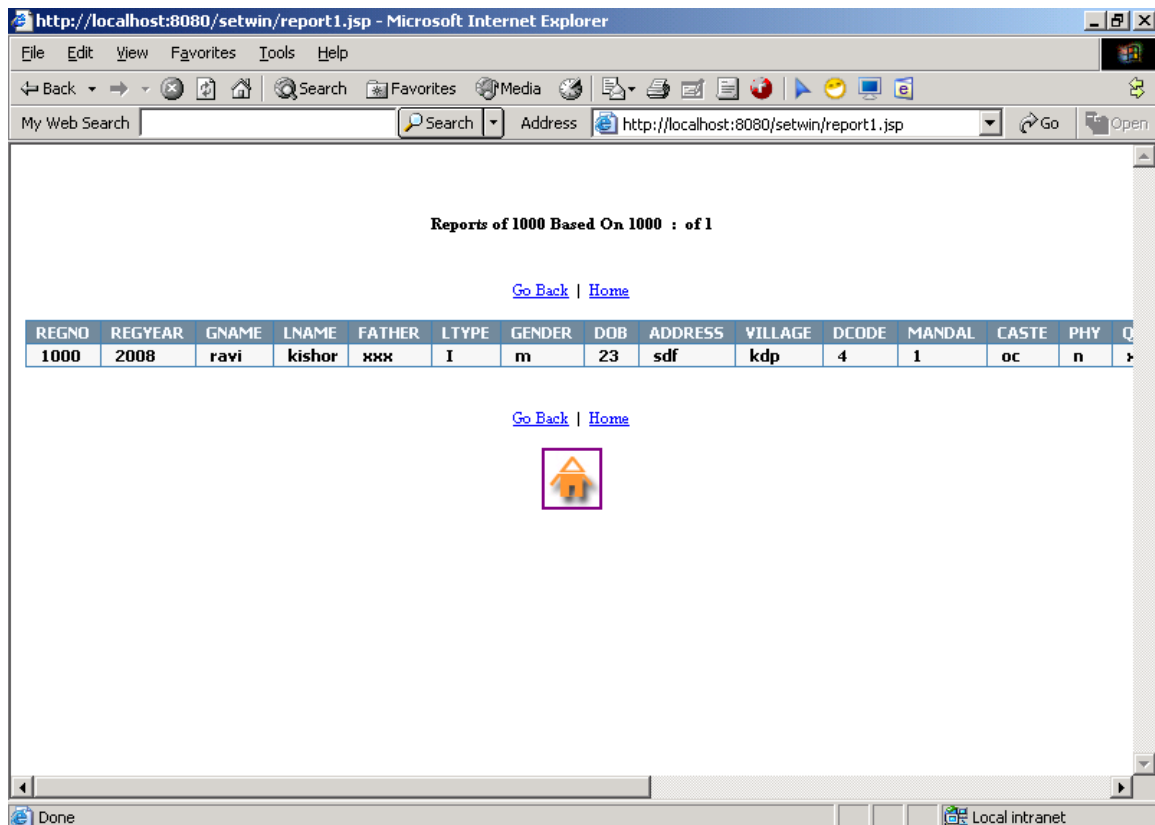**DESCRIPTION:-**We can first go to setwin online loans website home page

Screen 4.2: Loan Entry

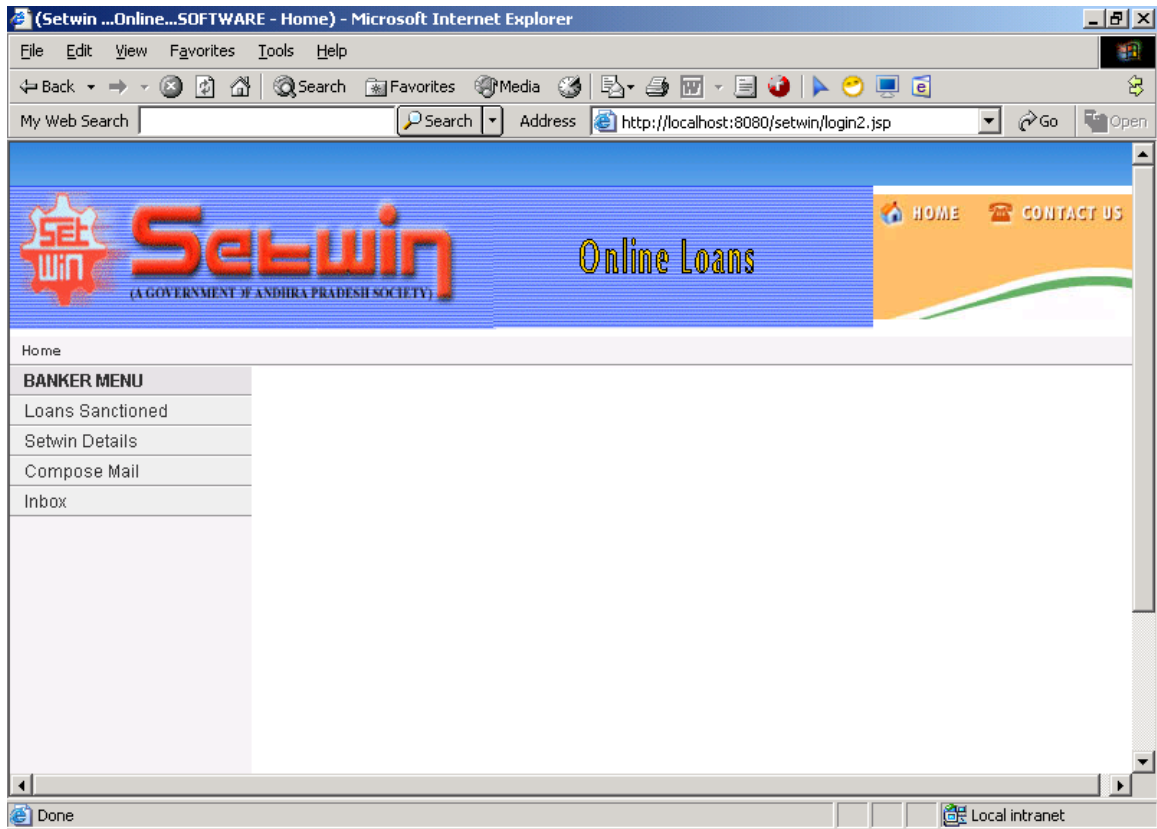**DESCRIPTION:**The above screen shows entering the individual loan details

Screen 4.3: Loan Sanction

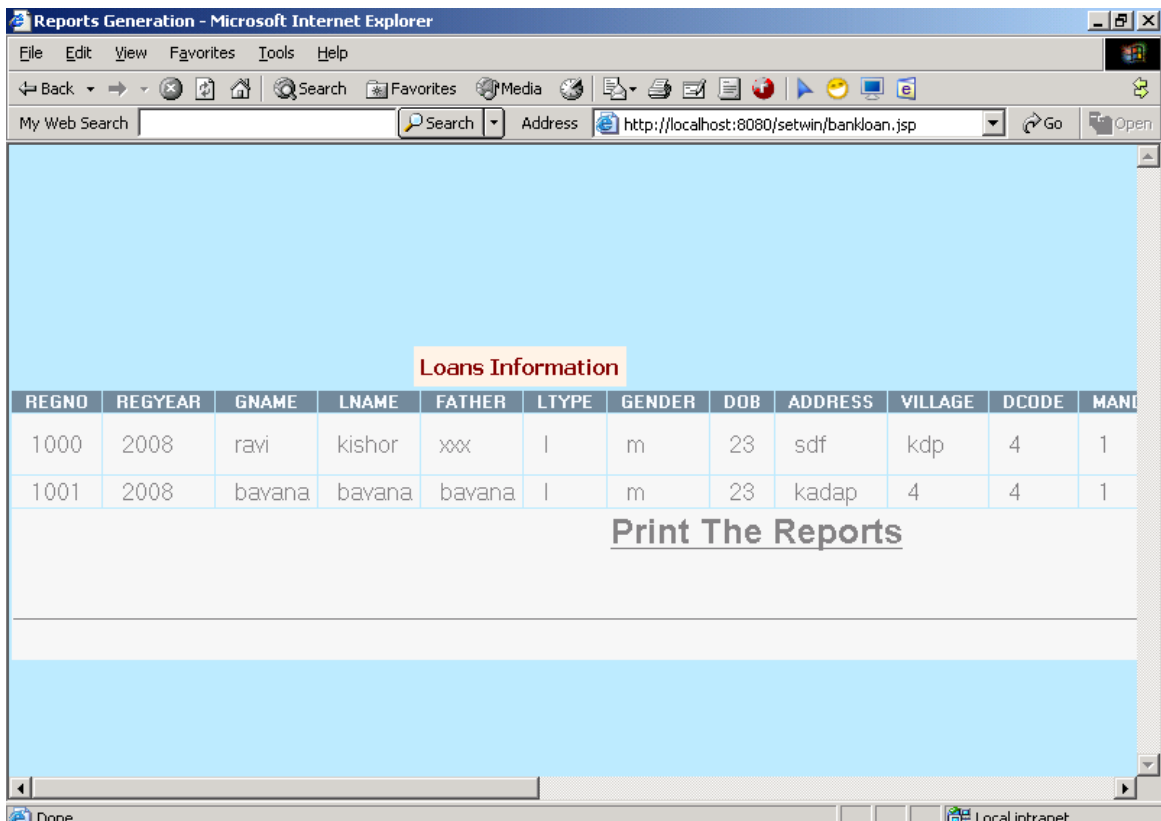**DESCRIPTION**:The above screen shows loan sanctioning processs

Screen 4.4:sanction report

Description: The above screen shows sanction report

Screen 4.5:Banker Menu

DESCRIPTION: The above screen shows bankers menu

Screen 4.6: Loans Sanctioned Report

DESCRIPTION: The above screen shows loan sanctioned report

ACKNOWLEDGEMENT

REFERENCES :

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2. Learning Java java 5th Edition - this book is a practical learning book for basic to advanced level.
3. Java Cookbook - this book for advanced programmer interested in learning about modern java development tools.
4. Automating Boring Stuff With Java - In this book you will learn to write programs in java.
5. Head First Java - this book covered the fundamental of java.
6. Think Java - the basics of programming concepts and cover advanced topics like data structure and object-oriented design.