

**A
PROJECT REPORT
ON
“Consumer Loan Assistant Project
&&
Home Inventory Manager Project”**

Done by

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(18IT442)

Internship At

Suven Consultants & Technology Pvt. Ltd.



**Information Technology Department
Birla VishvakarmaMahavidyalaya Engineering College
(An Autonomous Institution)**

AY: 2020-21

Acknowledgement:

We would like to thanks to the company who helped me most throughout my internship. I am grateful to our teacher Prof. Priyank bhojak for nonstop support for the internship. A special thanks to my teachers who helped me out in completing myinternship, where they all exchanged their own interesting ideas, thoughts and made this possible to complete my projects with all accurate information. At last, but not least thanks to all who treasured us for my hard work and encouraged me.

1. Loan Management System

Aim of project: To get loan analysis from online.

Scope of project: Loan management system has been designed to online the back-office activities of bank and finance company which offers any type of loan., Administrator manage customer information database more efficiently, Loan details, maintain loan type and interest rate information. Admin can use calculator to give exact payable loan amount for the customer & generate all these work info as a report of each customer.

Objective of project: Main objective is to provide good interaction & communication facilities between customers & Administrator.

Theory:

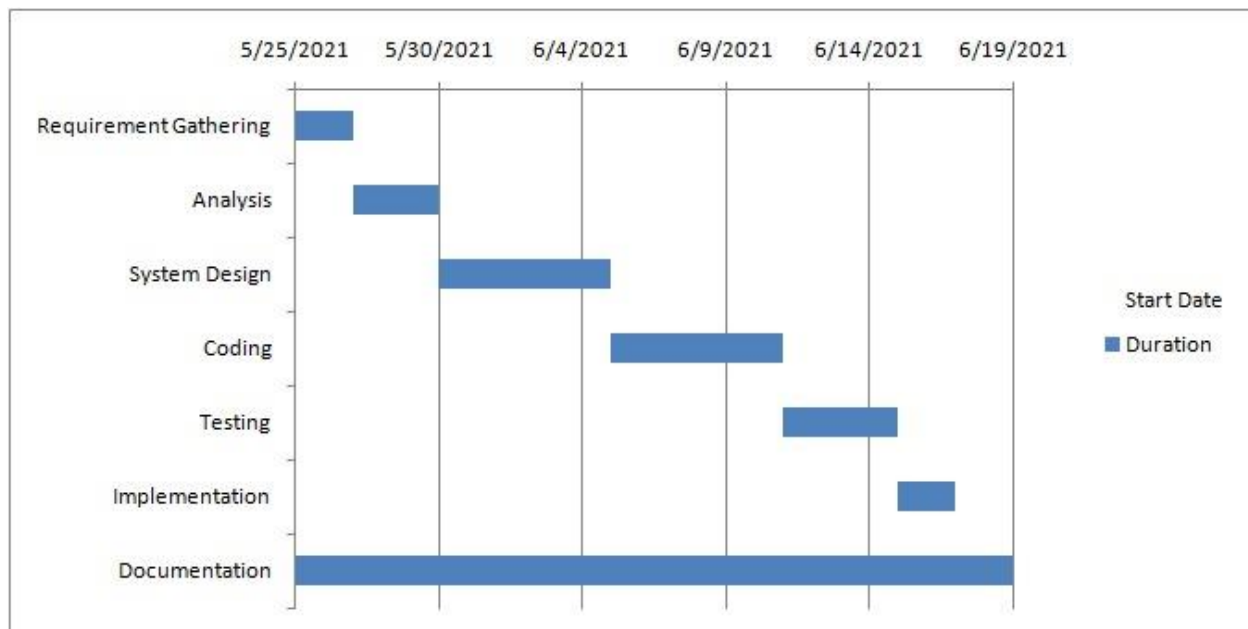
- In this project, we will build a consumer loan assistant. You input a loan balance and yearly interest rate.
- You then have two options: (1) enter the desired number of payments and the loan assistant computes the monthly payment, or (2) enter the desired monthly payment.

- The loan assistant determines the number of payments you will make. An analysis of your loan, including total of payments and interest paid is also provided.
- The finished project is saved as LoanAssistant in the \HomeJava\HomeJava Projects\ projectgroup. Start NetBeans (or your IDE). Open the specified project group.
- Make LoanAssistant the main project. Run the project. You will see:
All label controls are used for title information. Two button controls are used to compute results and to start a new analysis. Two small button controls (marked with X; only one is seen at a time) control whether you compute the number of payments or the payment amount. One button exits the project.
- Four text field controls are used for inputs and a large text area is used to present the loan analysis results.
- There are two modes the loan assistant can operate in. In the first mode, you enter a loan balance, an interest rate and a number of payments. The assistant then computes the monthly payment.

- In the second mode, you enter a loan balance, an interest rate and a monthly payment. The assistant computes the number of payments. The buttons with X control which mode the assistant operates in.
- Click the X (paymentButton) next to the payment text field and you switch to the first mode (compute monthly payment). Click the X (monthsButton) next to the number of payments text field and you switch to the second mode (compute number of payments). Let's look at the steps for each operation.
- When the user clicks the X next to the monthly payment text field (paymentButton button), we want to make paymentTextField available for user input and monthsTextField available for output. The steps are taken:
 - Make paymentButton disappear.
 - Make monthsButton appear.
 - Set enabled property of monthsTextField to false.
 - Set monthsTextField background to White.
 - Blank out the paymentTextField text field.
 - Set enabled property of paymentTextField to true.
 - Set paymentTextField background to Light Yellow.
 - Set text property of computeButton to Compute Monthly Payment.
- When you click the X next to the number of payments text field (monthsButton button), we essentially 'reverse' the steps just listed:
 - Make paymentButton appear.
 - Make monthsButton disappear.

- Set enabled property of monthsTextField to true.
- Set monthsTextField background to Light Yellow.
- Blank out the monthsTextField text field.
- Set enabled property of paymentTextField to false.
- Set paymentTextField background to White.
- Set text property of computeButton to Compute Number ofPayments.

Project Timeline chart:



- **Feasibility Study:**

1. Technical Feasibility:

In this project technically it is possible for Customers to get to

Know about the loan and interest (without being in physical contact with them). The Website can be upgraded in future according to customers reviews and with new technology or software.

2. Operational Feasibility:

It is feasible for our project to make use of functions like count monthly

Bill, which will calculate the payment according to loan interest.

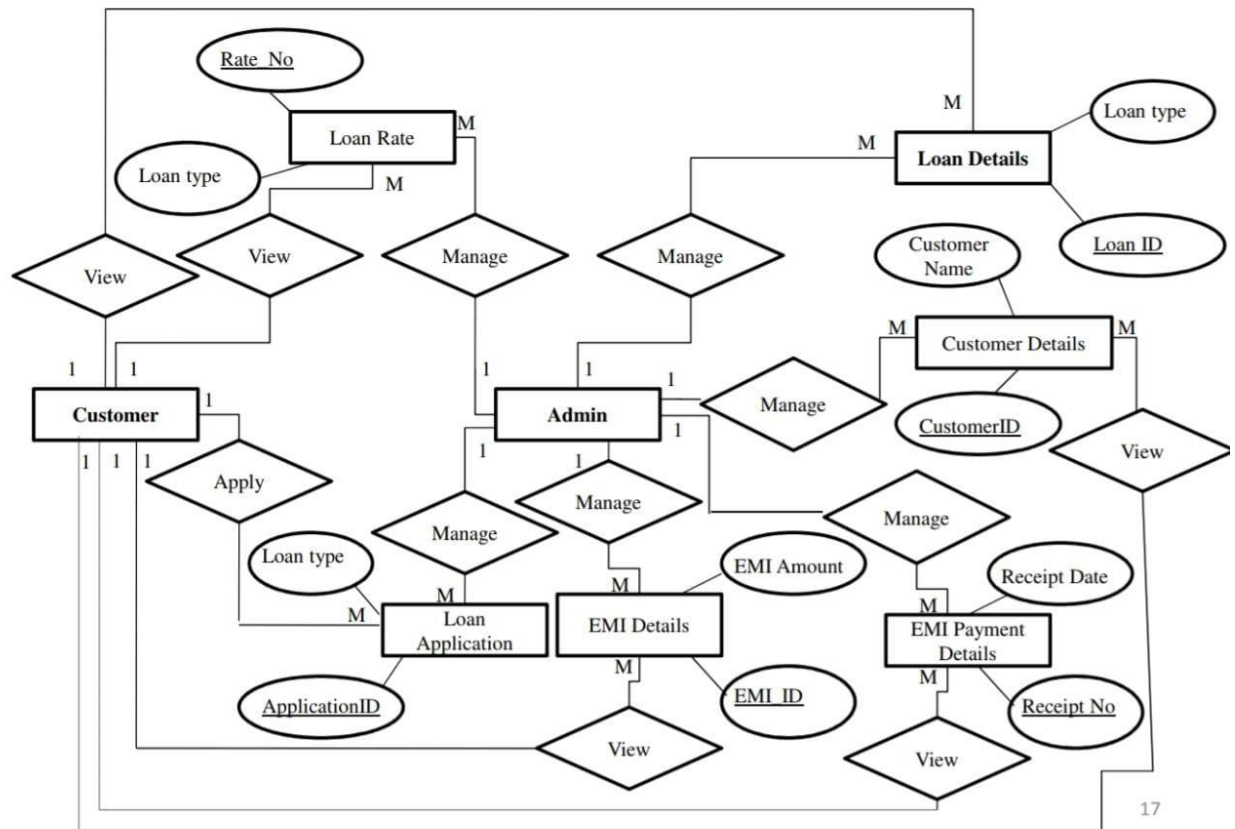
3. Implementation Feasibility:

Implementing our project is very feasible as it is very user friendly, what it requires from us is to just connect few PCs in LAN and then it is possible for customers to use it easily.

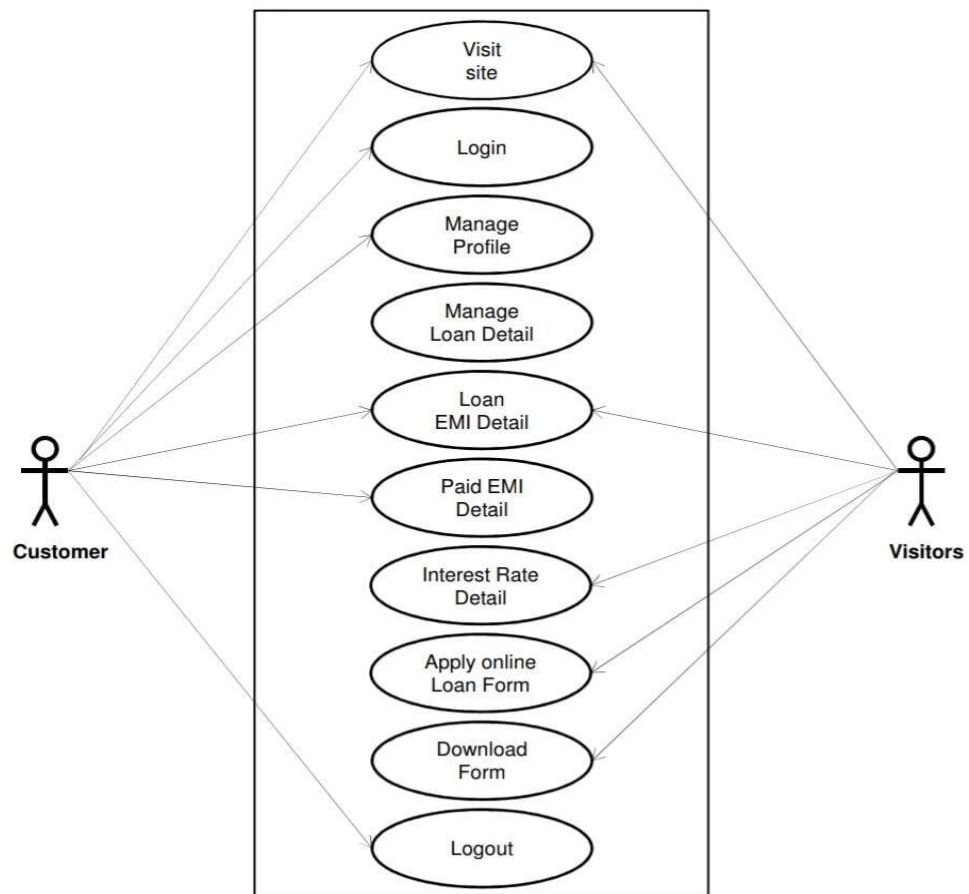
4. Economic Feasibility:

The system provides cost effective interface by considering less power consumption approach. It saves time and money for customer, Ex. You can easily take loan online.

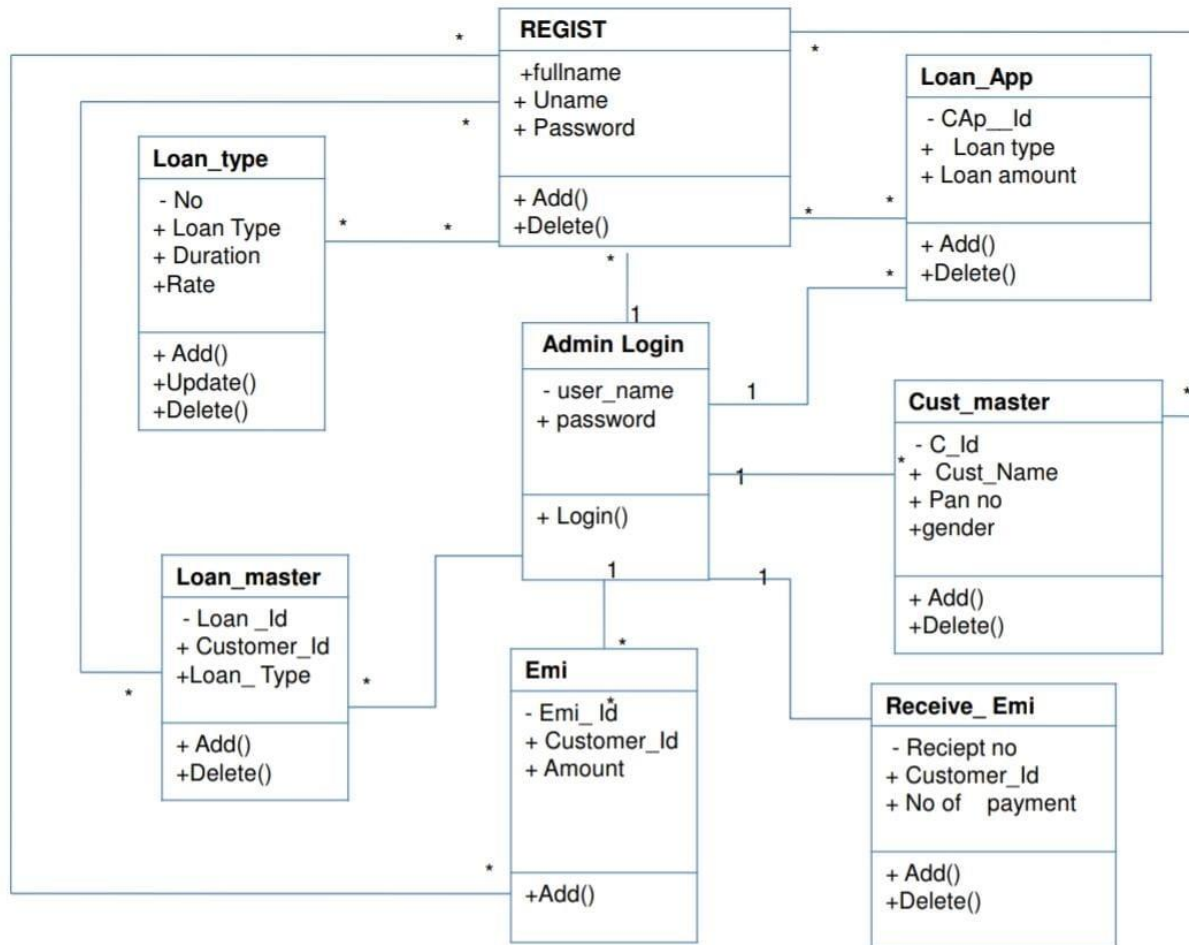
- **E-R Diagram:**



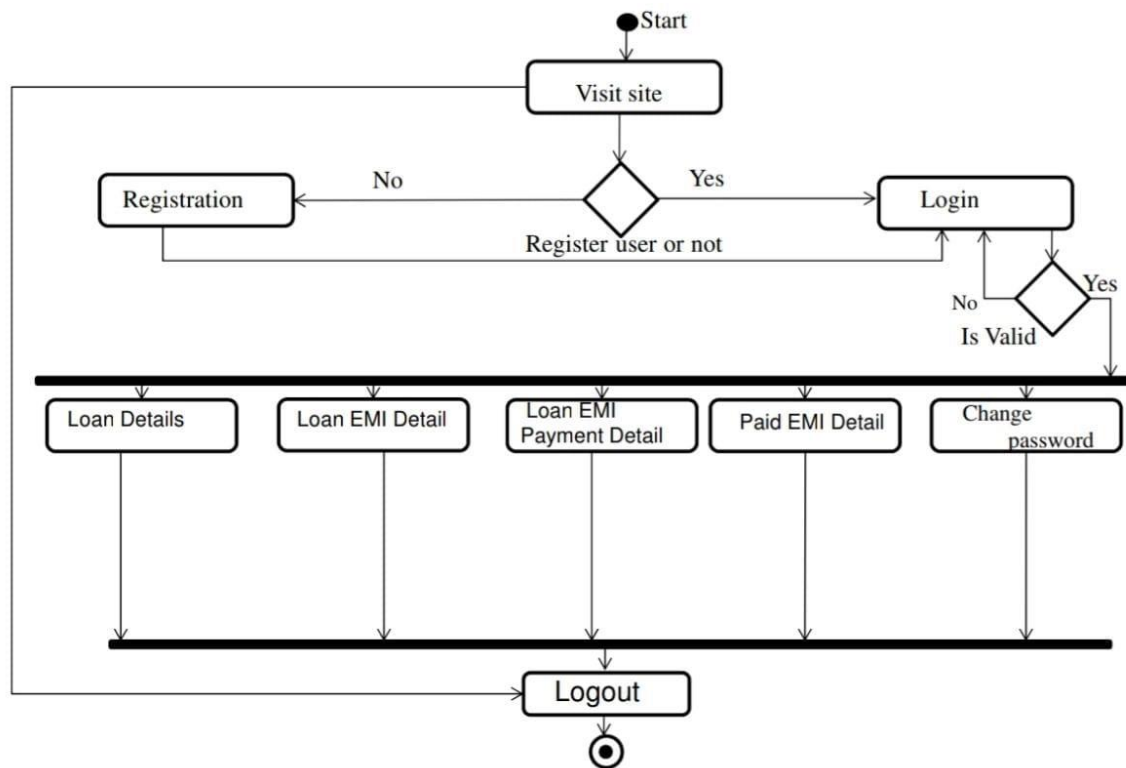
- **Use Case Diagram:**



- **Class Diagram:**



- Activity Diagram:



- **Software and Tools:**

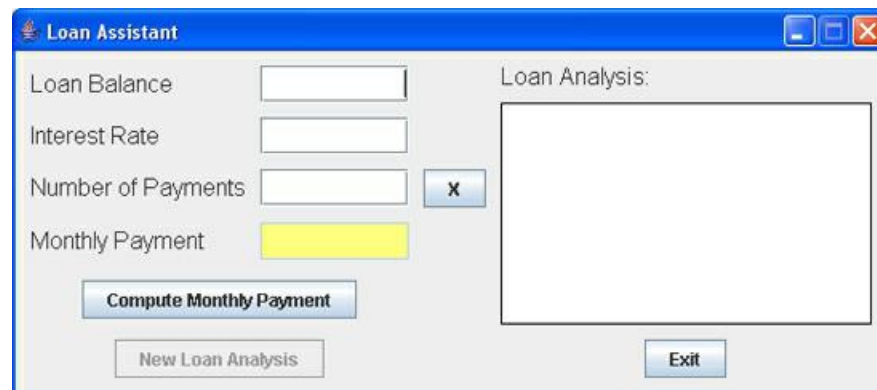
1. Software Requirements:

- Windows 7 or higher
- Visual Studio

2. Hardware Components:

- Processor –Core i3
- Hard Disk – 160 GB
- Memory – 1GB RAM
- Monitor

- **OUTPUT:**



Loan Assistant

Loan Balance

Interest Rate

Number of Payments X

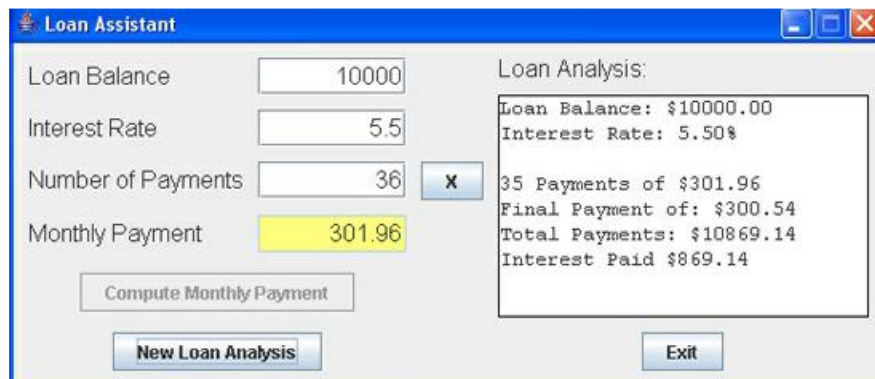
Monthly Payment

Compute Monthly Payment

New Loan Analysis

Loan Analysis:

Exit



Loan Assistant

Loan Balance

Interest Rate

Number of Payments X

Monthly Payment

Compute Monthly Payment

New Loan Analysis

Loan Analysis:

Loan Balance: \$10000.00
Interest Rate: 5.50%
35 Payments of \$301.96
Final Payment of: \$300.54
Total Payments: \$10869.14
Interest Paid \$869.14

Exit

2. Home Inventory Manager Project

- **Aim of project:** To build home inventory manager to keep record of your belongings.
- **Scop of project:** Home inventory manager is built to keep tracks of Your items by their photos and serial number. EX, If you want to buy something and you can check in This manager to find if you have this item or not.
- **Objective of project:** This project's objective is to keep tracks of Your home items.
- **Theory:**
- In this project, we will build a home inventory manager program. This program lets you keep a record of your belongings.
- A toolbar control is used to add, delete and save items from the inventory. It is also used tonavigate from one item to the next. The primary way to enter information about an inventory item iswith several text field controls.
- A combo box is used to specify location, while a date chooser is used to select purchase date. A check box control indicates if an item is marked with identifyinginformation.

- A button control (with an ellipsis) selects a photo to display in the panel control. A panel control holds 26 buttons for searching.
- The program has a built-in sample inventory file – the first item in that file is displayed (items are listed alphabetically by Inventory Item):
Suven Internship.
- The idea of the program is to enter and/or view descriptive information about each item in your inventory. You can enter:
 1. Inventory Item A description of the item (required)
 2. Location Description of where item is located
 3. Marked Indicates if item is marked with some kind of identifying
 4. Information (social security number, driver's license number, phone number)
 5. Serial Number Item serial number
 6. Purchase Price How much you paid for the item.
 7. Date Purchased When you purchased the item.
 8. Store/Website Where you purchased the item.
 9. Note Any additional information about the item.
 10. Photo View a stored JPEG photo of the item.

OUTPUT:

The screenshot displays the 'Home Inventory Manager' application window. On the left is a blue sidebar with buttons: New, Next, Previous, Save, Print, Delete, and Exit. The main area contains form fields for 'Inventory Item', 'Location' (set to 'kitchen'), 'Serial Number', 'Purchase Price', 'Date Purchased', 'Store/Website', 'Note', and 'Photo'. A 'Marked?' checkbox is checked. An 'Item Search' section features a grid of letters A-Z, with 'D' highlighted. A modal dialog box is open in the center, displaying 'None Found' and 'No Inventory Items starting with- D' with an 'OK' button.

Home Inventory Manager

New
Next
Previous
Save
Print
Delete
Exit

Inventory Item

Location: kitchen

Serial Number

Purchase Price

Date Purchased

Store/Website

Note

Photo

Marked? ☒

Item Search

A	B	C	D	E	F
G	H	I	J	K	L
M	N	O	P	Q	R
S	T	U	V	W	X
Y	Z				

None Found

No Inventory Items starting with- D

OK

Home Inventory Manager

New
Next
Previous
Save
Print
Delete
Exit

Inventory Item

Location ☒ **Marked?**

Serial Number

Purchase Price **Date Purchased**

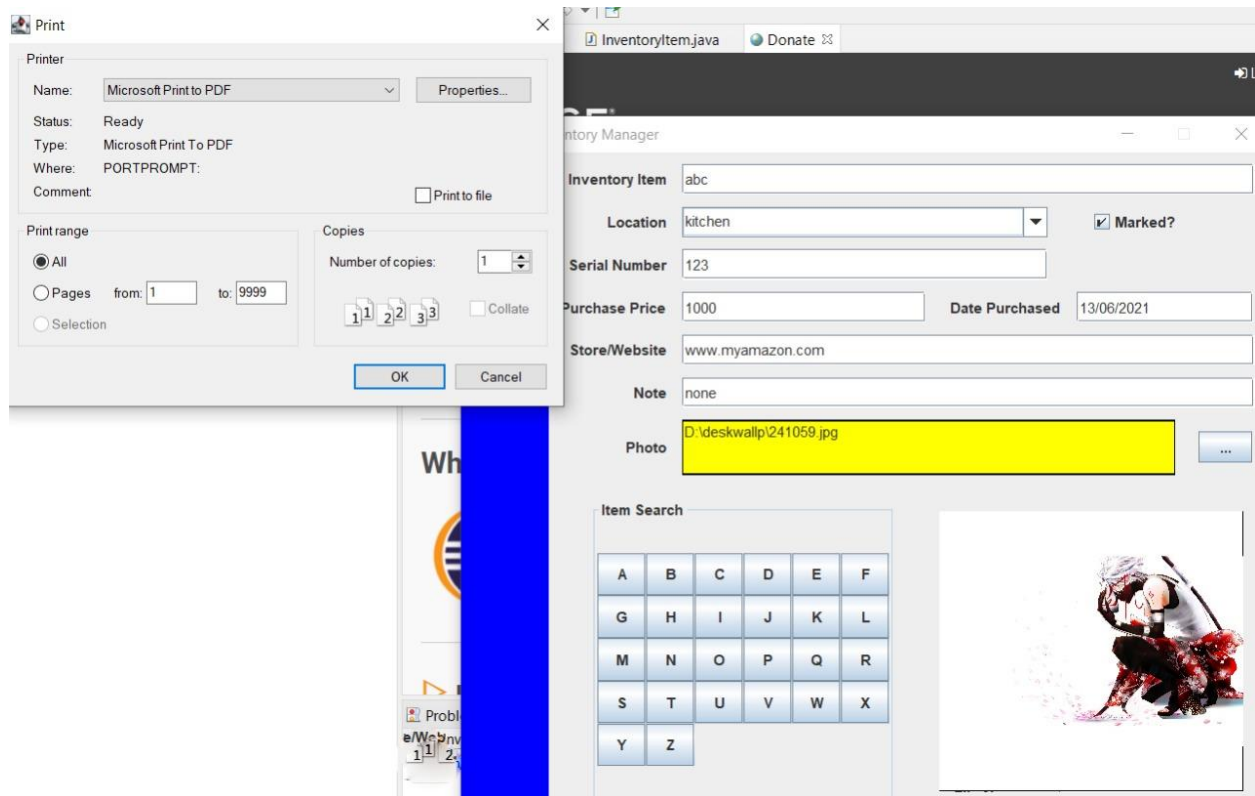
Store/Website

Note

Photo

Item Search

A	B	C	D	E	F
G	H	I	J	K	L
M	N	O	P	Q	R
S	T	U	V	W	X
Y	Z				



Home Inventory Manager

New
Next
Previous
Save
Print
Delete
Exit

Inventory Item abc

Location kitchen ☐ **Marked?**

Serial Number 123

Purchase Price 1000 **Date Purchased** 13/06/2021


Store/Website www.myamazon.com

Note none

Photo D:\deskwallp\241059.jpg

Item Search

A	B	C	D	E	F
G	H	I	J	K	L
M	N	O	P	Q	R
S	T	U	V	W	X
Y	Z				



Home Inventory Manager

New
Next
Previous
Save
Print
Delete
Exit

Inventory Item abc

Location kitchen ☐ **Marked?**

Serial Number 123

Purchase Price 1000 **Date Purchased** 13/06/2021

Store/Website www.myamazon.com

Note nor

Photo D:\v


Exit Program

Any unsaved changes will be lost.
Are you sure you wanna exit?

Yes **No**

Item Search

A	B	C	D	E	F
G	H	I	J	K	L
M	N	O	P	Q	R
S	T	U	V	W	X
Y	Z				





yash joshi <yja8585@gmail.com>

Re: Project Registration : Online Coding Internship

1 message

Yash Joshi <yashjoshi1723@gmail.com>
To: yja8585@gmail.com

19 August 2021 at 23:48

On Thu, 19 Aug, 2021, 11:43 PM Yash Joshi, <yashjoshi1723@gmail.com> wrote:

----- Forwarded message -----

From: **Online Coding Internship** <internship@suvenconsultants.com>
Date: Sun, 20 Jun, 2021, 6:55 PM
Subject: Project Registration : Online Coding Internship
To: <yashjoshi1723@gmail.com>, <yashjoshi1723@gmail.com>

Online Coding Internship - Suven Consultants & Technology Pvt. Ltd.

Dear YASH ASHWINBHAI JOSHI,

You have started coding for **Home Inventory Manager Project** Project of **Financial Applications (Java)** Domain

This Financial Applications (Java) domain has in total **2 projects, namely:**

- 1> Consumer Loan Assistant Project
- 2> Home Inventory Manager Project

Deadline for submitting **all projects** under this domain is **26-06-2021**

Steps for coding are as follows :

- <1> Create the same project "Home Inventory Manager Project" with same functionality.
- <2> For guiding you on coding steps, we have provided you **pdf** [Click Here to Download](#).
- <3> Upload your UI/UX projects on [free hosting site](#), Django projects on [Heroku](#), Java projects on [Gitlab](#) or [Github](#), Chatbot using ML Engine on [dialogflow](#). Well, for Data Analytics, Sentiment Analysis and Market Basket Analysis you have to only write a blog stating your analysis.
- <4> On submitting the project our AI engine would assess it.
- <5> The **AI engine** would **immediately** take your 10 mins MCQ test, on clearing it, you would awarded your **"Internship Certificate"**, [acknowledged by Industry Experts](#).
- <6> No Coding or Debug help would be provided by any one from Trainers@Suven. As a protocol the intern has to do his/her internship project sincerely without any external help. All guidelines are clearly specified on **FAQ** section of the Internship portal.



Sartaj Siddiqui - (Pursuing BE Computers, Theem College of Engineering)

Well, a big thanks all those industry mentors who have contributed to the Internship problem statements. I badly needed some good coding internships to enhance my resume. Here, I got the best , simple , self-to-do platform. And, yes I had to do a lot of "stackoverflow" for completing the projects. Their resources did help a bit. It was learning + fun !!

Note: You can see the **domains** of **online coding internship** in your [profile section](#)

Wishing you all the best !!

Gentle Reminder to register for this months Tech Workshop with 100% hands-on practice [here](#).

Best Regards
Rocky Jagtiani
BE(IS), PGDST (NCST) , ME(IT)
Head of Training & Development
Suven Consultants & Technology Pvt Ltd.

Official Member to:





Suven Consultants & Technology Pvt. Ltd.

Official member to



CERTIFICATE OF INTERNSHIP

This is to certify that **YASH ASHWINBHAI JOSHI** has successfully completed **4 weeks (or 140 hrs) Java Coding Internship**.

- 1) Consumer Loan Assistant Project
- 2) Home Inventory Manager Project

The projects were assessed by AI Engine trained by mentors as listed on <https://mentor.suvenconsultants.com>

Your performance was **Noteworthy** - 🏆🏆🏆🏆🏆 in the Online Internship. Wishing you all the best for more internships and a great career.

Your Internship Profile can be viewed on <https://internship.suvenconsultants.com/user?u=eWFzaGpvc2hpMTcyM0BzY3RwbA==>

Date of Issue: 20-06-2021

This is auto generated by our ai engine

Rocky Jagtiani

Domain Expert: Rocky Jagtiani
Technical Head - SCTPL
<https://suvenconsultants.com>

Niraj Sharma

Domain Expert: Niraj Sharma
UI/UX expert and Software Engineer
NeoSOFT Technologies

Tarik Sheth

Domain Expert: Tarik Sheth
MCP,HP(AIS),CSTE,CSQA,CSTM
VP(in Investment Banking MNC)

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... & Many More

