

Archetype Expo 2021

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Virtual Worker

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Abstract

Many real-life scenarios involve humans performing monotonous tasks. With increasing population and globalization, there has been an implicit rise in the number of monotonous tasks in each field and there is a steep go through into virtual works. In absence of a workforce, a virtual worker can help without disturbing the workflow. The banking scenario is one of those involving different monotonous works. A virtual worker can help in eliminating work to a long extent by collecting the details as instructed and handing over the details only if all the necessary conditions are met. It helps both the customers and bank employees to complete their works smoothly without any delay.

Problem Statement

To implement an application to automate a virtual worker based on the requirements in the banking scenario.

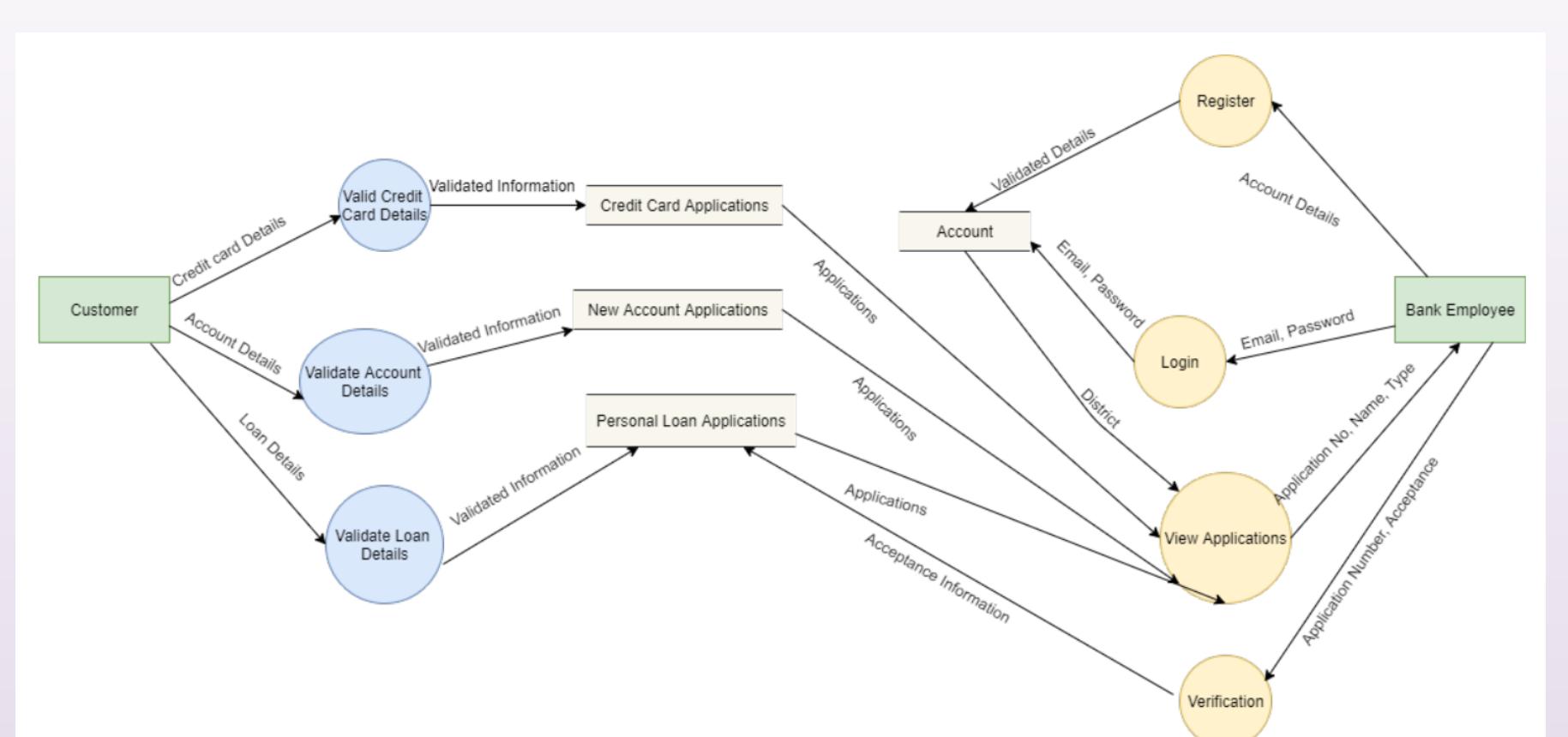
System Design

Tools used for webpage

1. PHP
2. MySQL (database system)
3. HTML
4. CSS
5. Javascript
6. JQuery
7. Bootstrap



Data Flow



Conclusion

The application eliminates the manual work of employees after the completion of the future enhancements. It mitigates the complete banking process for customers.

Future Enhancements

1. Integrate an OTP login for employees for further security.
2. Create similar forms for other services like Home Loan, Apply for a Debit Card, Business loan.
3. Generate reports for each district to check the working of each bank.
4. Enable the customers to create an account to keep track of all the services they have enrolled with the same bank in one platform.
5. Check the identification numbers and the corresponding details with any APIs.

References

1. <https://api.postalpincode.in/pincode>
2. <https://www.hdfcbank.com/>