

MICHIGAN STATE
UNIVERSITY

Beta Presentation

Consumer Payroll Check Cashing Analytics

The Capstone Experience

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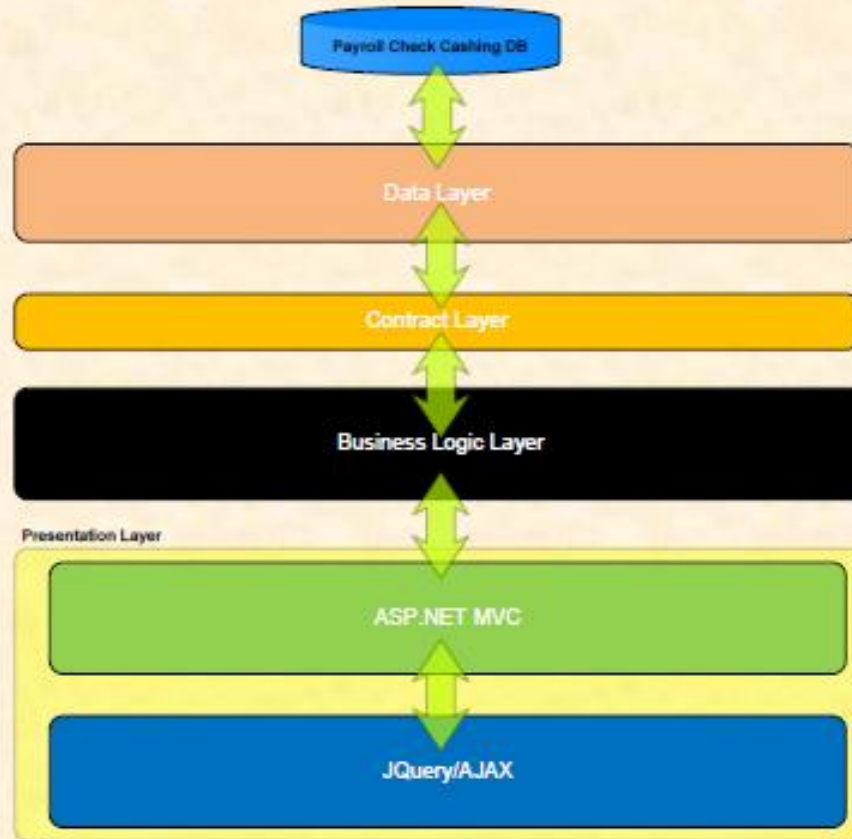
*From Students...
...to Professionals*

Project Overview

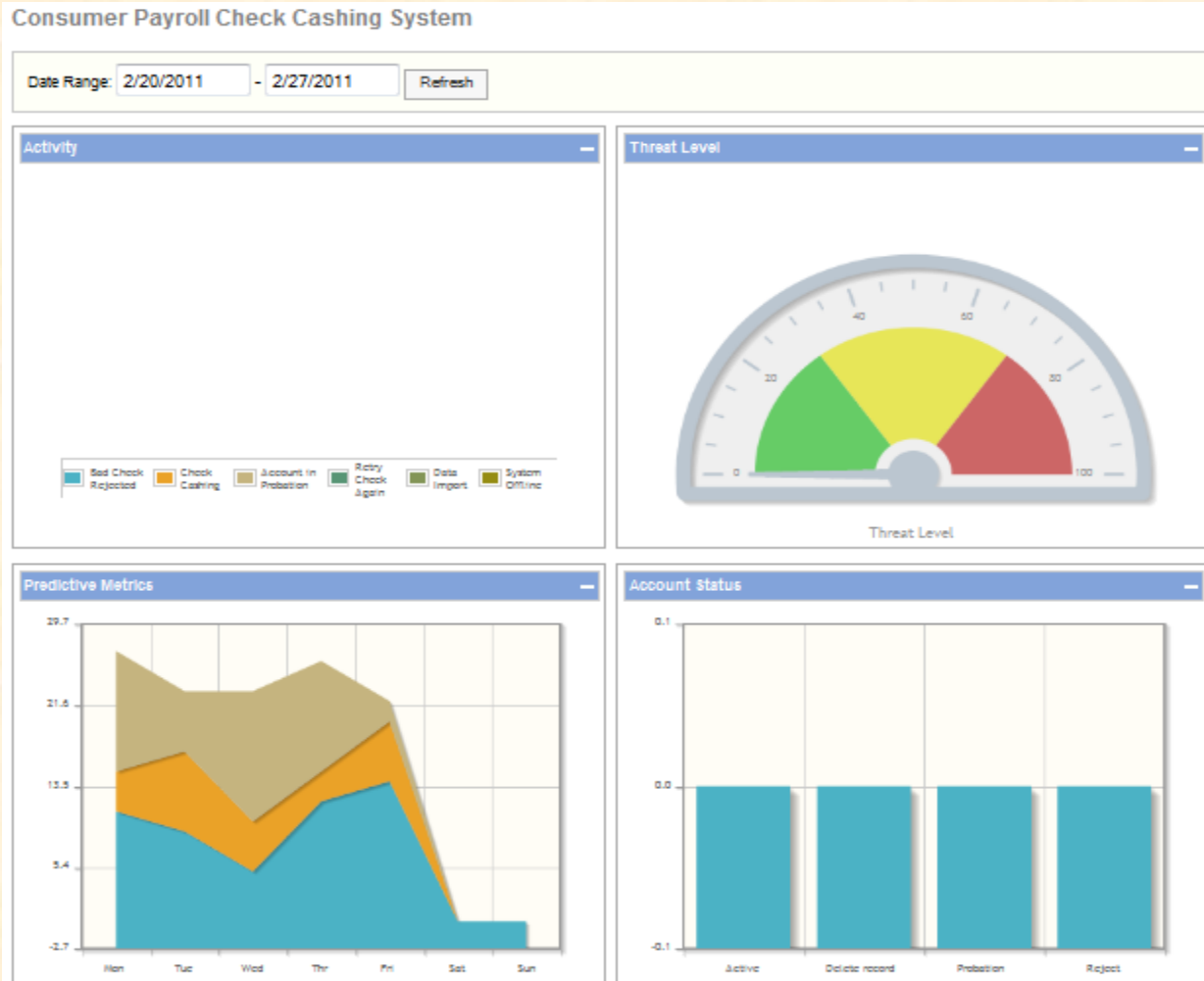
- Meijer has a Payroll Check Cashing System
- Possibility of fraudulent checks
- Develop a web-based system for reporting and analyzing features
- Send out alerts based on trend data
- Provide a web system in order to be used to lower the amount of fraudulent checks



System Architecture



Dashboard Screen



Activity Search Screen

The screenshot displays the Meijer Activity Search interface. At the top left is the Meijer logo with the tagline "Higher Standards. Lower Prices." Below the logo is a navigation bar with links for Home, Customer Accounts, Activity Search, Store Groups, Alerts, and Reports. The main heading is "Activity Search".

The search interface includes an "Action Type" dropdown menu, an "Activity Date" field with a date range selector, and a "more search options" link. There are also "download results" and "search" buttons.

The search results are displayed in a table with the following columns: Customer #, Check Date, Check Amount, Meijer, Certegy, Action, and Date. The table shows 20 results, with a "Showing 1-20 of 53030" indicator. Each row includes a "view" link next to the Customer #.

	Customer #	Check Date	Check Amount	Meijer	Certegy	Action	Date
view	B123456789456	1/18/2011	\$30.00	Do Not Cash Check - Try Again	ID type and number dont match	Retry Check Again	1/18/2011
view	B123456789456	1/18/2011	\$30.00	Do Not Cash Check - Try Again	ID type and number dont match	Retry Check Again	1/18/2011
view	B123456789456	1/18/2011	\$30.00	Do Not Cash Check - Try Again	ID type and number dont match	Retry Check Again	1/18/2011
view	B123456789456	1/18/2011	\$90.00	Do Not Cash - Do not Try Again	Offline to Cert - no cashing	System Offline	1/18/2011
view	B123456789456	1/18/2011	\$70.00	Do Not Cash Check - Try Again	Invalid SSN	Retry Check Again	1/18/2011
view	B123456789456	1/18/2011	\$70.00	Do Not Cash Check - Try Again	Invalid SSN	Retry Check Again	1/18/2011
view	B123456789456	1/18/2011	\$70.00	Do Not Cash Check - Try Again	Invalid SSN	Retry Check Again	1/18/2011
view	B123456789456	1/18/2011	\$60.00	Do Not Cash Check - Try Again	ID and DOB did not match	Retry Check Again	1/18/2011
view	B123456789456	1/18/2011	\$50.00	Do Not Cash - Do not Try Again	Decline Message	Bad Check Rejected	1/18/2011
view	B123456789456	1/18/2011	\$40.00	Do Not Cash - Do not Try Again	Decline Message	Bad Check Rejected	1/18/2011
view	B123456789456	1/18/2011	\$45.00	Cash Check	No Text - Cash Check	Check Cashing	1/18/2011
view	B123456789456	1/18/2011	\$30.00	Do Not Cash - Do not Try Again	Decline Message	Account In Probation	1/18/2011
view	B123456789456	1/18/2011	\$30.00	Do Not Cash Check - Try Again	ID type and number dont match	Retry Check Again	1/18/2011
view	B123456789456	1/18/2011	\$20.00	Do Not Cash - Do not Try Again	Decline Message	Bad Check Rejected	1/18/2011
view	B123456789456	1/18/2011	\$10.00	Do Not Cash - Do not Try Again	Decline Message	Bad Check Rejected	1/18/2011
view	B123456789456	12/31/2010	\$25.00	Cash Check	No Text - Cash Check	Check Cashing	1/14/2011
view	B123456789456	1/5/2011	\$150.00	Do Not Cash Check - Try Again	Recollect all data and retry	Retry Check Again	1/14/2011
view	B123456789456	1/5/2011	\$150.00	Do Not Cash Check - Try Again	Recollect all data and retry	Retry Check Again	1/14/2011



Customer Info Screen

Higher Standards
meijer
Lower Prices

Home | Customer Accounts | Activity Search | Store Groups | Alerts | Reports

B123456789456

Customer Number B123456789456
 Name tester
 Date Of Birth 8/19/1974 12:00:00 AM
 Enrollment Date 1/18/2011 10:42:17 AM

Employer Id 38
 Employer Name NUL
 Routing Number 876543212
 Government Check? No

Activity Log

Showing 1-10 of 183

	Customer #	Check Date	Check Amount	Meijer	Certegy	Action	Date
View	B123456789456	1/18/2011	\$30.00	Do Not Cash Check - Try Again	ID type and number dont match	Retry Check Again	1/18/2011
View	B123456789456	1/18/2011	\$30.00	Do Not Cash Check - Try Again	ID type and number dont match	Retry Check Again	1/18/2011
View	B123456789456	1/18/2011	\$30.00	Do Not Cash Check - Try Again	ID type and number dont match	Retry Check Again	1/18/2011
View	B123456789456	1/18/2011	\$90.00	Do Not Cash - Do not Try Again	Offline to Cert - no cashing	System Offline	1/18/2011
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View	B123456789456	1/18/2011	\$70.00	Do Not Cash Check - Try Again	Invalid SSN	Retry Check Again	1/18/2011
View	B123456789456	1/18/2011	\$70.00	Do Not Cash Check - Try Again	Invalid SSN	Retry Check Again	1/18/2011
View	B123456789456	1/18/2011	\$60.00	Do Not Cash Check - Try Again	ID and DOB did not match	Retry Check Again	1/18/2011
View	B123456789456	1/18/2011	\$50.00	Do Not Cash - Do not Try Again	Decline Message	Bad Check Rejected	1/18/2011
View	B123456789456	1/18/2011	\$40.00	Do Not Cash - Do not Try Again	Decline Message	Bad Check Rejected	1/18/2011

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What's left to do?

- Continue Running Simulation Testing to Find Any Bugs/Errors
- Create Project Video for Design Day
- Deploy Software at Meijer

