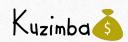


KUZIMBA SERVICES GROUP

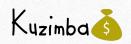
Presents





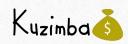
CASH MANAGEMENT APPLICATION (CMS)

Sept 2020



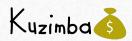
Back Ground: Cash Management

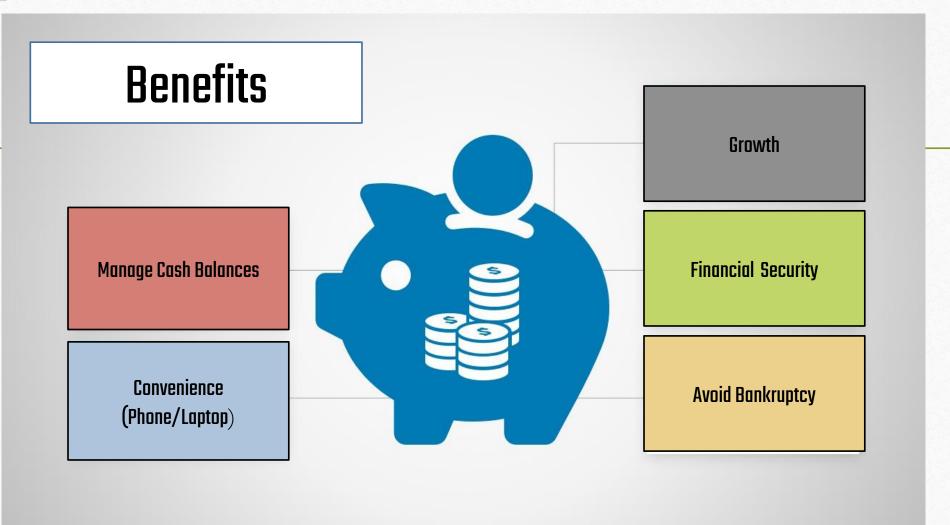
- Cash Management is defined as the collection, handling, control and investment of the organizational cash and cash equivalents to ensure, optimum utilization of the firm's/business liquid resources.
- Money is a lifeline of any business, hence it is essential to maintain a sound cash flow position.
- The money market has evolved over the time, from physical paper money moving from one hand to another, to online transfers to trading in other forms of money like Bitcoins, mobile money, airtel money, ATM cards etc.

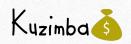


Problem Statement

- The biggest goal of good cash flow management is to reduce or eliminate any surprises when meeting cash requirements. Good cash management influences efficiency of operations and reduces overall cost of doing business.
- In Uganda today, the reception of these different forms of cash management has not been on the digital platform. Daily sales and tracking of money has been more less writing in small exercise books or papers which are eventually disposed off both knowingly and unknowingly by sometimes the business owners or even employees. Uncertainties such as theft, fires and natural disasters also contribute to the loss of financial records.
- That is why the kuzimba services group is coming up with a cash management system targeting the fast growing business community.

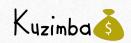






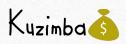
Benefits in Detail

- The application will help manage the cash balances of an enterprise/business in such a way as to maximize the availability of cash not invested in fixed assets or inventories and to do so in such a way as to avoid the risk of insolvency.
- Manage finances from the convenience of a phone, computer or tab.
- Growth planning: with easy access to the cash flow, one is able to plan for their expansions, restocking and also monitor their stock without physically being at the business premises.
- Financial Security: The financial records of the cash flow shall be securely stored in a password-protected online database to keep the data safe from loss, destruction or unauthorized access.
- Preventing Bankruptcy: With knowledge of the cash flow, you can know when to recapitalize your business and avoid unnecessary expenditures.



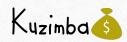
"The Woman Aspect"

- We cannot completely rule out the role of men in society in provision of security and doing the hard task jobs, However opportunities to include the woman can be availed in various ways by creation of leadership roles, project management roles, cash management roles as per say, women can be the face for any business firm/enterprise.
- Take for example, besides the saloons, boutiques, massage parlours and the like; the latest building/construction material store managers in Uganda are women working amidst a group of male engineers.
- > Over 70% of graduates from Makerere University-Uganda doing finance management and business administration are women. #FinTechs make way for women to join the Tech World.



Level One Principles

Lev	vel One Principle	Description
*	Cash in-Cash out interoperability (mojaloop)	Gives distinctive classification between sales, expenditures, and cash balances.
❖ User friendly design		Its Interactive and one can view information online
Pricing Transparency		Subscription fee made clear per year and per month for two different pricing plans (Self-Managed/Operator Managed)
*	Progressive Functional Features	From Web Application to Mobile version, eradication of manual data entry, Message alerts
*	Success Notifications	Graphical Output/PDF Output
Security		Password Protection/password hashing/SSL Certificate
*	Government Support	Registration of Cash Management System Product Name by URSB.



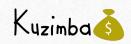
Minimum Viable Product

Phase One:

- 1. GUI
- 2. Authentication
- 3. Manual Entry of Transaction Data by System Operator into the System
- 4. Notifications of System Updates/Graphical Output/PDF Generation

Phase Two:

- 1. Road Map
- 2. Cash in/Cash out interoperability (APIs)
- 3. Hosting/Testing



Cost Analysis

General Expected charges

Account Opening/Registration (this includes custom domain name, database creation, hosting & security, monitoring cash flow and notifications).

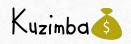
Estimated subscription fee

150,000 Ugx/month with a free trial for 7 days (Self Managed System)

300,000 Ugx/month (Operator Managed System)

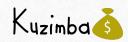
1.2m Ugx/year

2.4m Ugx/year



Estimated Expenditure of \$3000

- Marketing Product & Branding \$1000
- Transportation & Logistics \$300
- Innovation Lab Space, Internet Connectivity, Software and Training Material
 \$1200+
- Creation of Mobile Version for personal business/Inclusion of other secure system features \$500



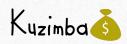
Anticipated Risks & Solutions

Risks/Challenges

- Hacking by external source & False data entry by operator
- The Account Data Trust Issue
- Poor/No Internet Connectivity

Solutions

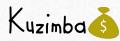
- Password Protected System/password hashing/SSL and security certificates provided by web host
- System Updates done by operator once in a month
- Ensure Viable/correct data entered into the system. An Option to edit transactions made manually.



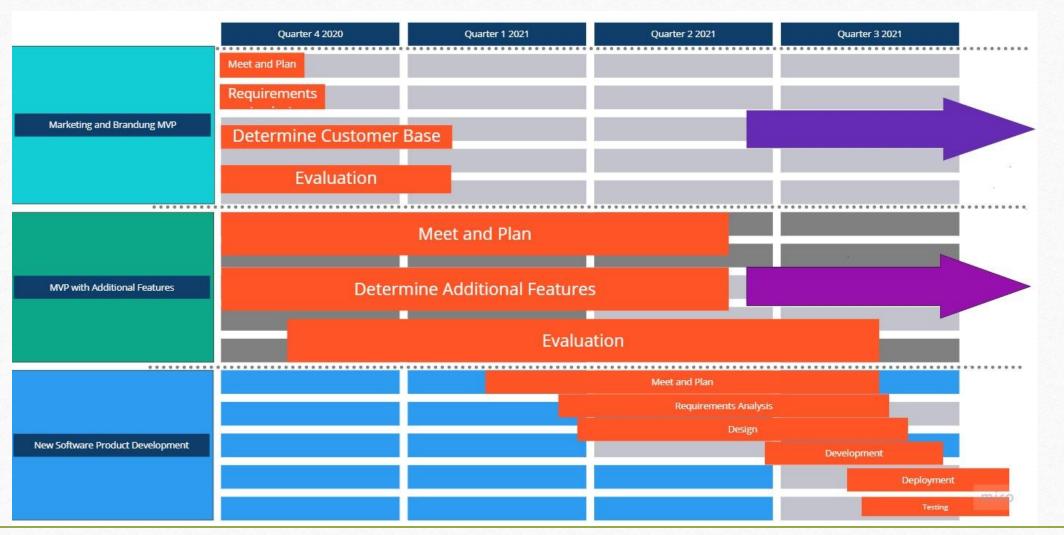
Executive Summary

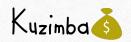
Problem Statement		Monitoring Cash Records in Books/Paperwork is totally Unreliable				
Bu	ısiness Case	Cash Management System-Web Application				
Ta	rget Market	Fast Growing / Medium Earning Businesses				
		Minimum Viable Product/Level One Principles				
*	Cash in-Cash out interoperability	Gives distinctive classification between sales, expenditures, and cash balances.				

	Cash in-Cash out interoperability		Gives distinctive classification between sales, expenditures, and cash balances.			
❖ GUI-User friendly design		GUI-User friendly design	Its Interactive and operator can view information online			
	 Progressive Functional Features Benefits Tools Risks/Solutions 		Subscription fee for two different pricing plans (Self-Managed (150k/mth)/Operator Managed(300k/mth))			
			Notifications, Mobile Version, Security/Authenticity, Gov't Support -Registration URSB, Automatic Data Updates			
I			Manage Cash Balances, Convenience, Growth and Development, Security, No Bankruptcy			
•			Java jsp, MySql Database, Mojaloop, mobile money API's, html, w3css, javascript			
			Hacking (Password), Trust Issue/False Data Entry (Data to Be reviewed by both actors,), No Internet (System Updates are made once a month)			

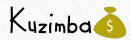


Product Road Map

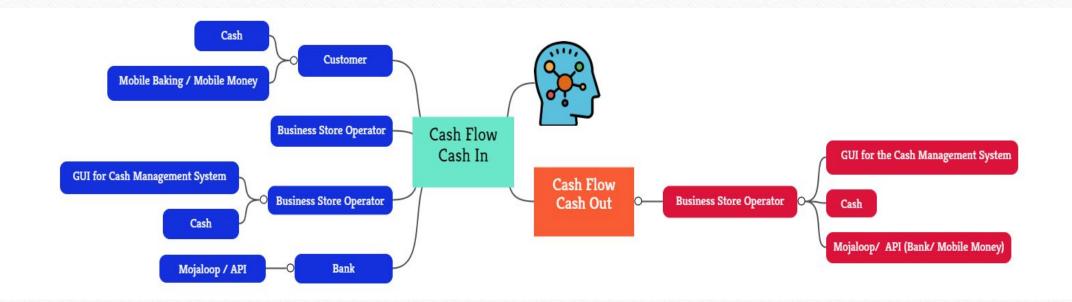


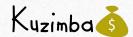


CMS Flow Diagrams

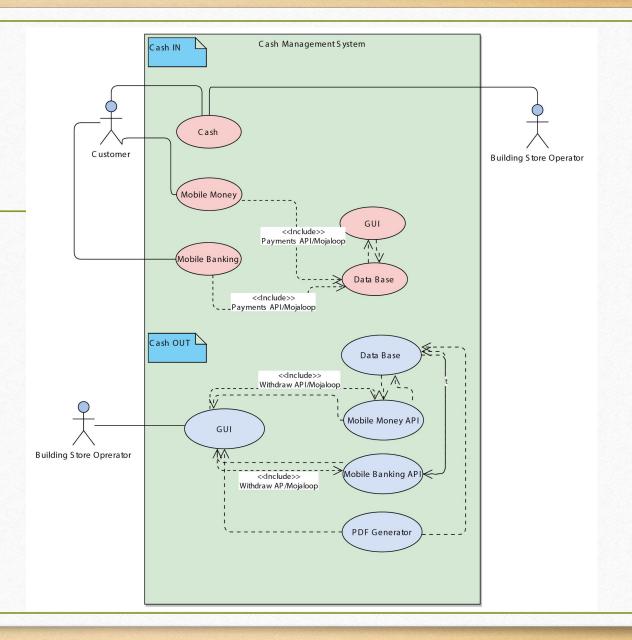


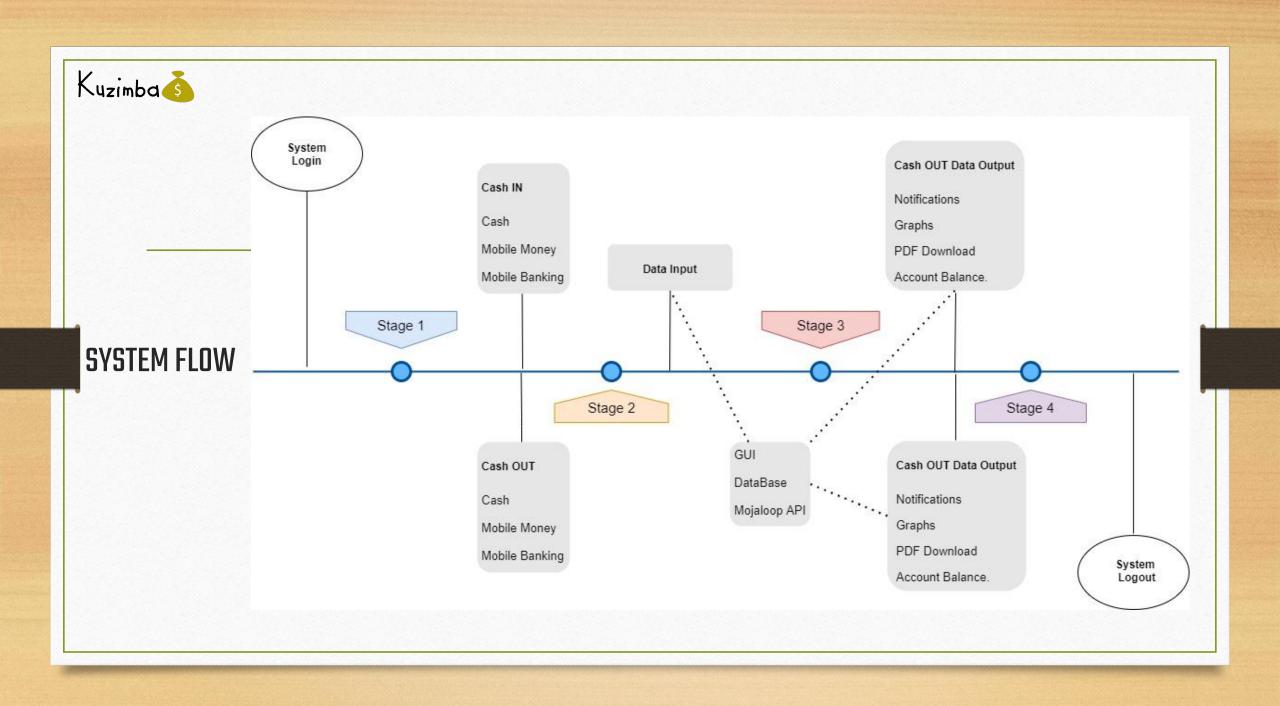
MIND MAP

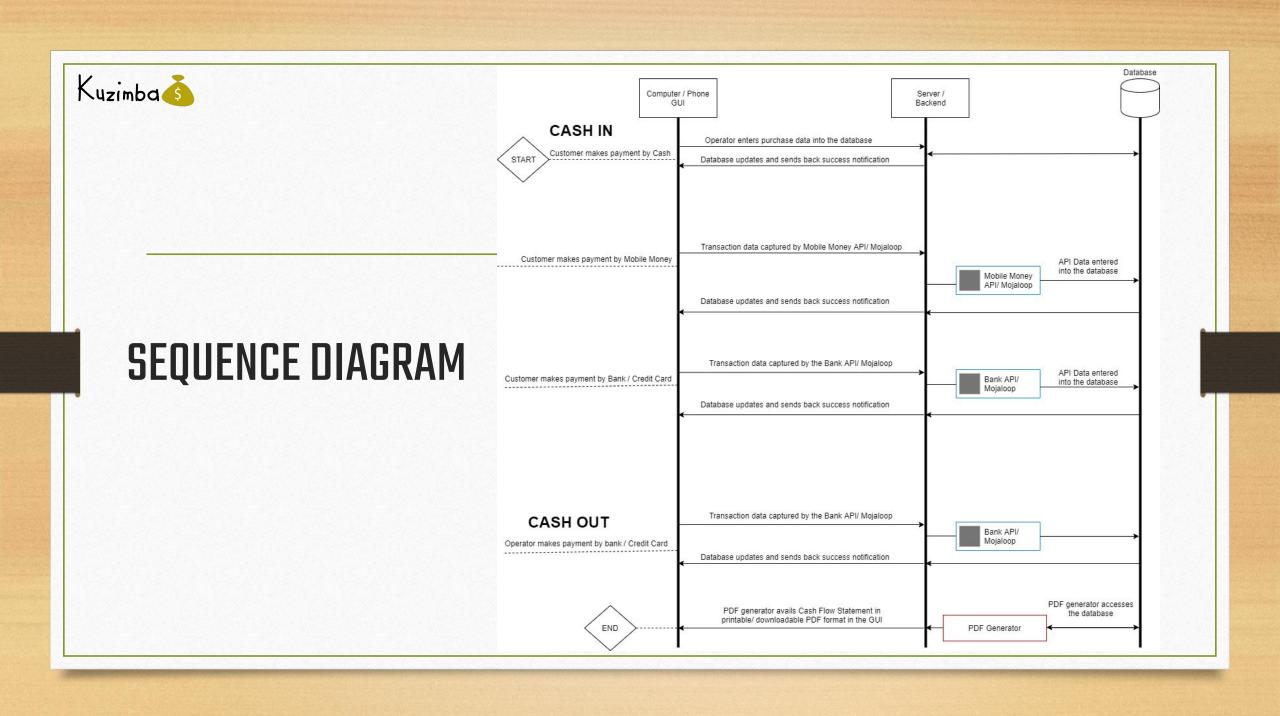


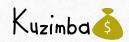


USE CASE DIAGRAM

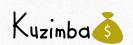




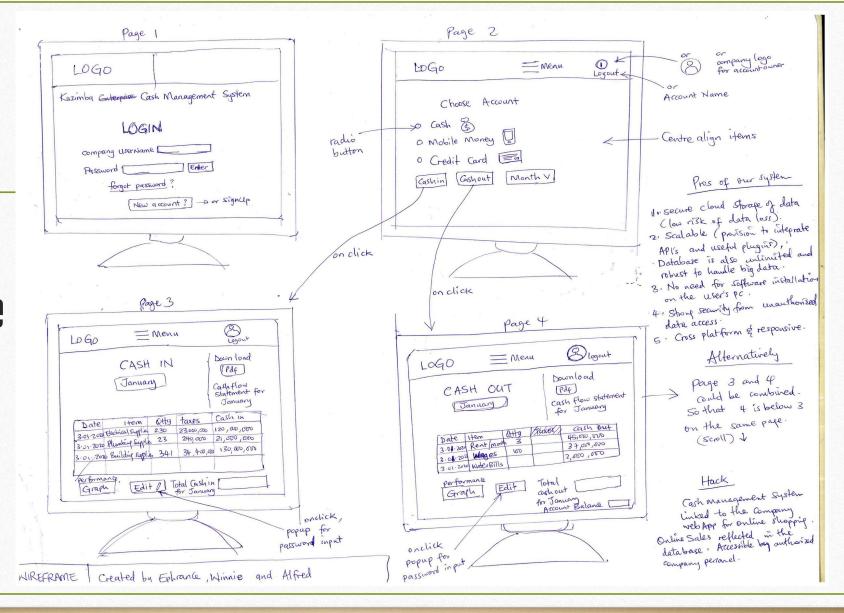


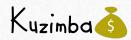


CMS Prototype



Wire Frame





Created by Ephrance, Winnie and Alfred

Created by Ephrance, Winnie and Alfred

MOCKUP

PAGE 1



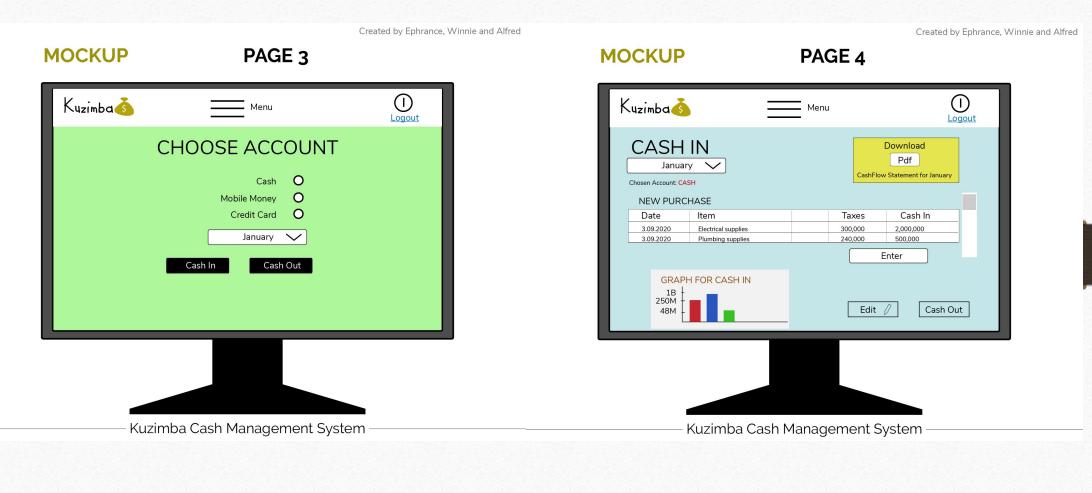
- Kuzimba Cash Management System

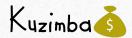


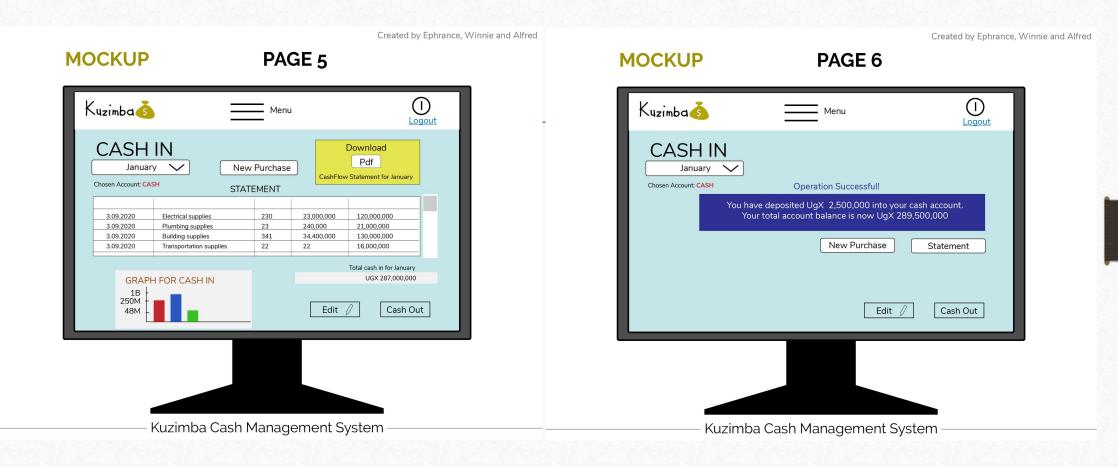


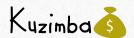
- Kuzimba Cash Management System

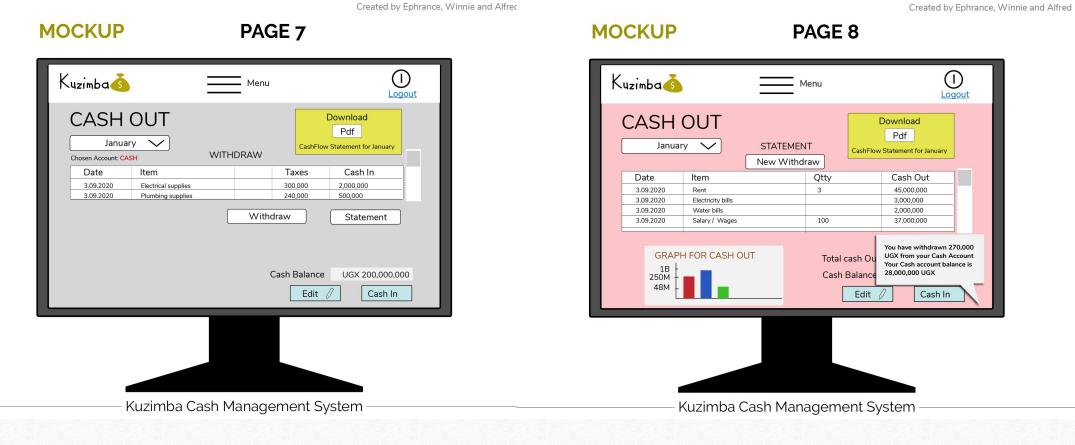


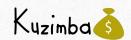






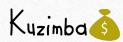


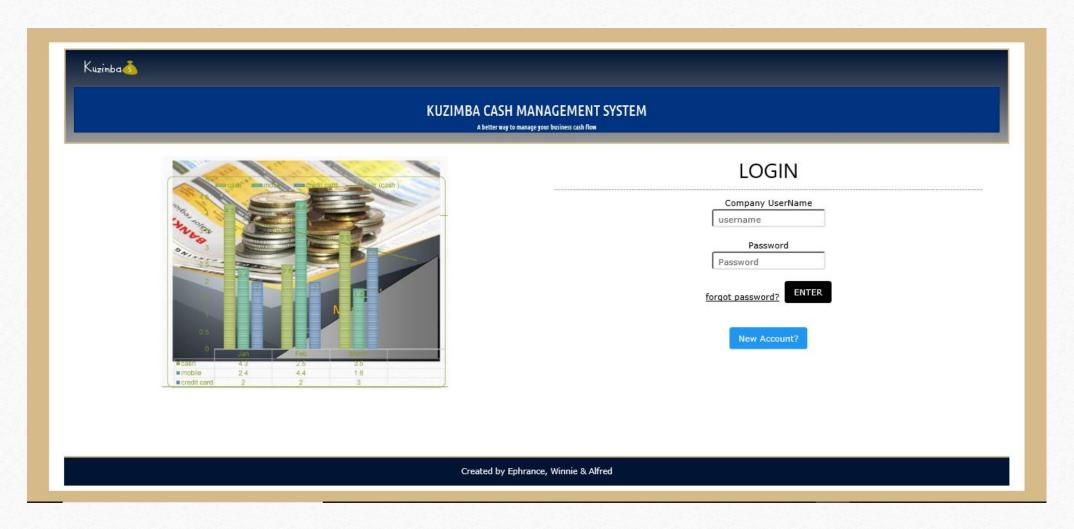


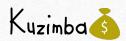


Minimum Viable Product

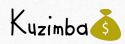
Front End

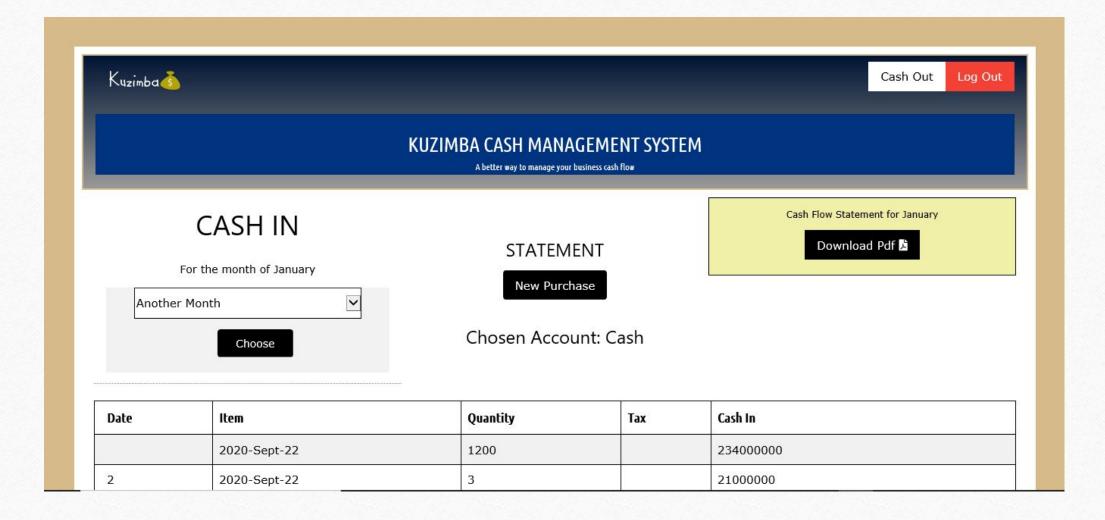


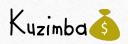












4	2020-Sept-22	14		1400000
5	2020-Sept-22	28		2800000
6	2020-Sept-22	1202		23200000
null	null	null	null	null

Total Cash In For January

Total Cash In :282400000

١,

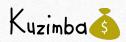
Edit

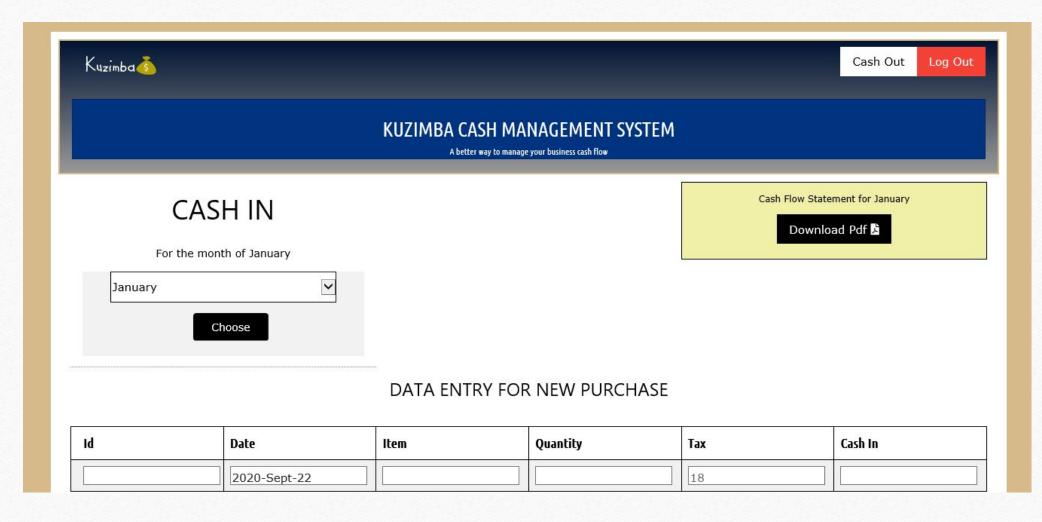
Cash Out

Cash-In Performance Graph

For the month of January

Load Graph

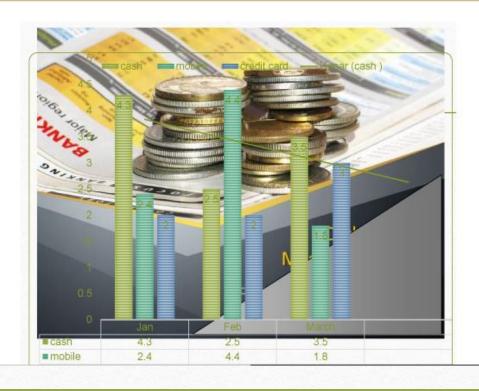






KUZIMBA CASH MANAGEMENT SYSTEM

A better way to manage your business cash flow

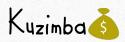


PAY FOR PRODUCTS

SUCCESS!

You have sent 45000 EURO to 0773913902

New Payment

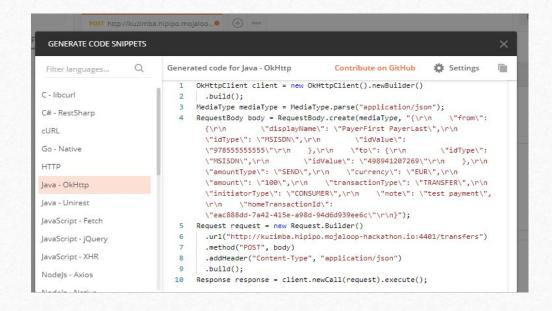


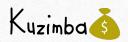
Minimum Viable Product

Back End

```
    http://kuzimba.hipipo.mojaloop-hackathon.io:4401/transfers

                                                Pre-request Script Tests
none form-data x-www-form-urlencoded raw binary GraphQL ISON v
  1 {
          "from": {
             "displayName": "PayerFirst PayerLast",
             "idType": "MSISDN",
             "idValue": "97855555555"
             "idType": "MSISDN",
             "idValue": "498941207269"
 10
 11
          "amountType": "SEND",
 12
         "currency": "EUR",
 13
         "amount": "100",
 14
         "transactionType": "TRANSFER",
         "initiatorType": "CONSUMER",
 16
         "note": "test payment",
         "homeTransactionId": "{{$guid}}"
```





System Work Plan

Coal It Da	ata collection	and planning
ovui i. vi	ulu cunectiun	unu piummy

	Key Action Steps	Timeline	Expected Outcome	Tools	Person Responsible	Comments
1.	Business case Development	Day One	Business case, Problem Statement	Internet, Bankers, Adobe illustrator,	All Project Members	Done
2.	Problem statement			MS PowerPoint, MS word		
3.	Work plan					

Goal 2: Design and Development of the Graphical User Interface and Flow Diagrams

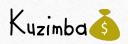
	Key Action Steps	Timeline	Expected Outcome	Tools	Person/Area Responsible	Comments
1 2	. Mind Map . Use case Diagram	Day One Day Two	I .	Adobe Photoshop, Adobe Illustrator, Mind tool, Diagram Editor, Justinmind		Done
3	. Flow Diagram	July 1 mg		tool, MS Powerpoint/PDF		
4	. Sequence Diagram					
5	. Wireframe/Graphical User Interface (GUI)					

Goal 3: Database Development and Backend Programming of the system

	Key Action Steps	Timeline	Expected Outcome	Tools	Person/Area	Comments
					Responsible	
1.	Minimum Viable Product Development	Day Three	Minimum Viable Product	IDE: Netbeans, Heidi SQL, MySQL	All Project Members	In Progress
2.	Database Development	Day Four		Database, Java (JSP), Javascript,		
3.	Graphical Output Integration			HTML, W3 CSS/CSS, Canvasj,		
4.	Extra Functionality Integration (Success			Mojaloop		
	Notification, Cash Flow Statement in PDF etc.)					

Goal 4: Testing, Troubleshooting and Presentation of the System

	Key Action Steps	Timeline	Expected Outcome	Tools	Person/Area Responsible	Comments	
1.	Testing	Day Five	Error Free Prototype	Diverse Digital Platforms	All Project Members	In Progress	
2.	Troubleshooting			Microsoft Powerpoint			
3.	Presentation						



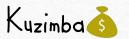
Meet the Team







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ROLE	Team Leader	Team Member	Team Member	



THANK YOU **God Bless**









