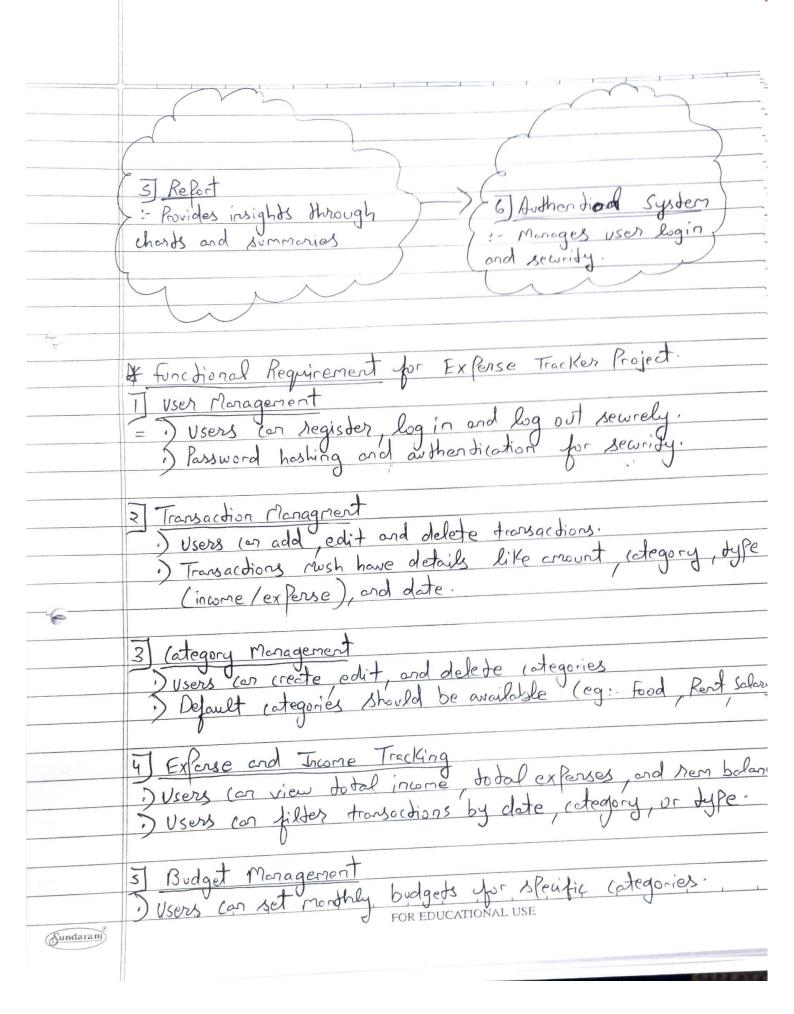
Siddharth Surve UI Assignment Rollno:- 1563 MET MCA Exferse Tracker Web APP Analysis ) Primary Analysis of any Project consists of 3 types Domain Analysis

I User Analysis

Task Analysis Domain Analysis:

- Problem Pomain: The Experce Tracker Project addresses personal finance management by helping users log income and expenses categories transactions and analyse spending patterns.

-> Damain Entities of Rales Domain Entities & Roles Transaction User :- Represents an income or expense with and manages finance 3 (ategory
i- crowps transactions into
predefined or custom
types (eg food, Rent) 4) Budget
1- Defines spending
Plinit for categories (Sundaram) FOR EDUCATIONAL USE



	i) Alerts when spending exceeds the budget.
	6) Reports & Analytics = ) Graphical representations (Rie chart, bor graphs) of income vs expense
	.) Monthly and yearly sperding reports.
	Fl Search & Filter
	) Users (an search for transactions by Keyword. ) filter based on date range, ategory and type.
	i) Performance
	) The system should process user requests within 2 seconds.  ) Must hardle Multiple concurrent users without slowdowns.
	ii) Scalability
	ii) Scalability  The application should be scalable to support increasing user data without Performance degradation.
	* Domain Constraints
	Data Integrity boot bonstraints:-  i) Each transaction must have a valid amount (greater than zero)
	Transactions must be categorized as either income or expense?  Vsers cannot delete predefined categories only wisdom ones.
	·) Vsers (annot delete predefined coregones ordy wsoom ones.
	2) Authordication Constraints
	Dusers must have a unique email ID for registration.  Passwords must be hashed and meet sewrity requirements.
undaram	Passwords must be hashed and meet sewrity requirements (eg. Minimum, 8 characters, including numbers and special characters) FOR EDUCATIONAL USE

	3) Budget Constraints	1
	Just connot set a budget below zero or exceed a predefined system limit.  Dudget alers must trigger if spending exceeds the limit.	l
	) Budget alers must trigger if spending exceeds the limit.	90% 8
τ,	Transaction Constraints  The transaction date cannot be in the future.  Derived the section of the future.  Output the followed certain period (eg: 6 months) unless explicitly allowed	C
*	Use lose Diagram	
	Track expense Backup Peta  Jextend  Jextend  Menage User  (ategorize Expense) (Send Nebification)	Adr
•	Set Budget	
	View Experse Refort	
Gundaram	FOR EDUCATIONAL USE	

)(	
*	Wistomer User Persona
->	) who
	i) Individual adding expense
	ii) Students adding expense
	i) Individual adding expense ii) Students adding expense iii) Businesses adding expense
	i) Pain Points
	i) No B. eK Entry oftions
	ii) No Bot multidelete options
0	i) No Bolk Entry oftions ii) No Bolt Multidelete options iii) Lack of multi amency support
	·) Key Requirements
	i) Easy of use ii) Expense Management
	ii) Exterse Management
	iii) Budgeting 2 insights
	is) Data sewrity & synding.  S) Accessibility & Multi Device Support.
	O) Newstillians of the state of the
*	Admin user Persona
8	21/2
	i) Developer who developed the expense tracker App.
	·) Pain Points
	i) Vser Maragement Challerges
	ii) Expense Monitoring Issues iii) Limited Reporting & Irrights
	11) and sed referring ( soights
	) Key Requirements
	i) User management iv) System Configuration i) Expense oversight i) Security & Bata Management
	Analytics & Report, FOR EDUCATIONAL USE
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*	Task Analysis
	) les donner Experience
	Goal -> The and
	browsing and placin adding expenses.
	Steps Trushed
	usernane and Password or google login.
0	11 10000 extenses - 1/sep colds extensed by adding
	The Carpanal Colors
	budget and reforts.
	expansion expenses: - Edit delete, or categorize
	better tracking.
	v) Setting Budget 2 Goal :- Deline Nording limite
	for different integories.  vi) logging out & Sewrity - Sewrely log out and
	Monage account settings.
-	O .
	2) Adim Admin
	the aff functions smoothly.
	Stell Twolved
	i) Admin Login: - Sewre authentication to access the admin Panel
	i) User Monagement: Add, edit, or deactivate users
	and manage holes / permissions.
	expenses for acquay and frond detection.  FOR EDUCATIONAL USE
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