

UCS503
Software Engineering
Project: THUNDER
Data Dictionary
Computer Science and Engineering Department, TIET
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THAPAR INSTITUTE
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(Deemed to be University)

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Data Dictionary (for Process)

Data Dictionary - User Authentication Process

Process	User Authentication
Process Description	This process deals with User Authentication wherein the input parameters can be email id and password. If the input is authenticated, then the output will redirect the user to Home Page.
Inward Flow(s)	Login Credentials (Email ID, Password)
Outward Flow(s)	Authentication Approval, Response, Direct to Home Page
Process Specification	<i>Attached in Next Slide</i>

Structured English version of User Authentication (1.0)

IF LoginCredentials != Valid then

 Ask user to enter valid Login Credentials

IF LoginCredentials == Valid then

 IF LoginCredentials == **True** then

 Direct to Home Page

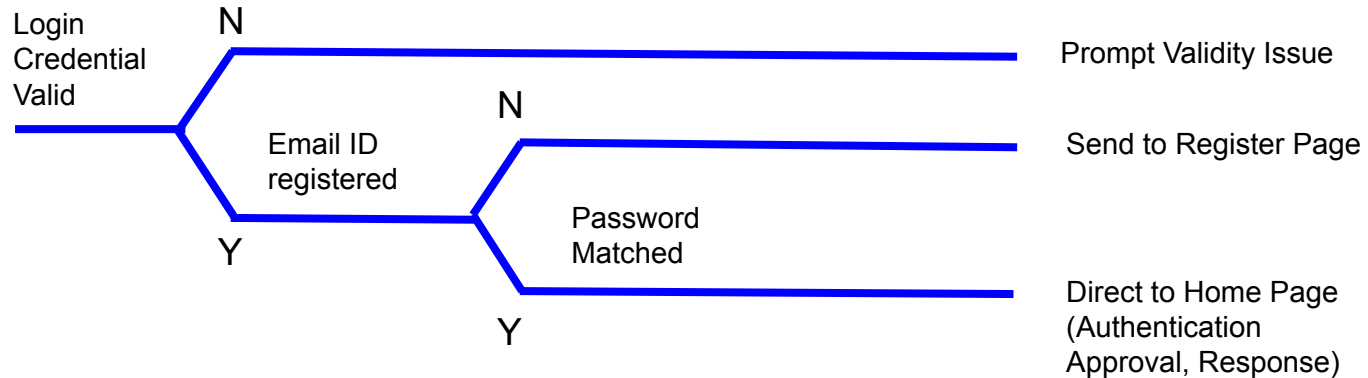
 IF LoginCredentials == **False** then

 Direct to Login Page

Decision Table of User Authentication (1.0)

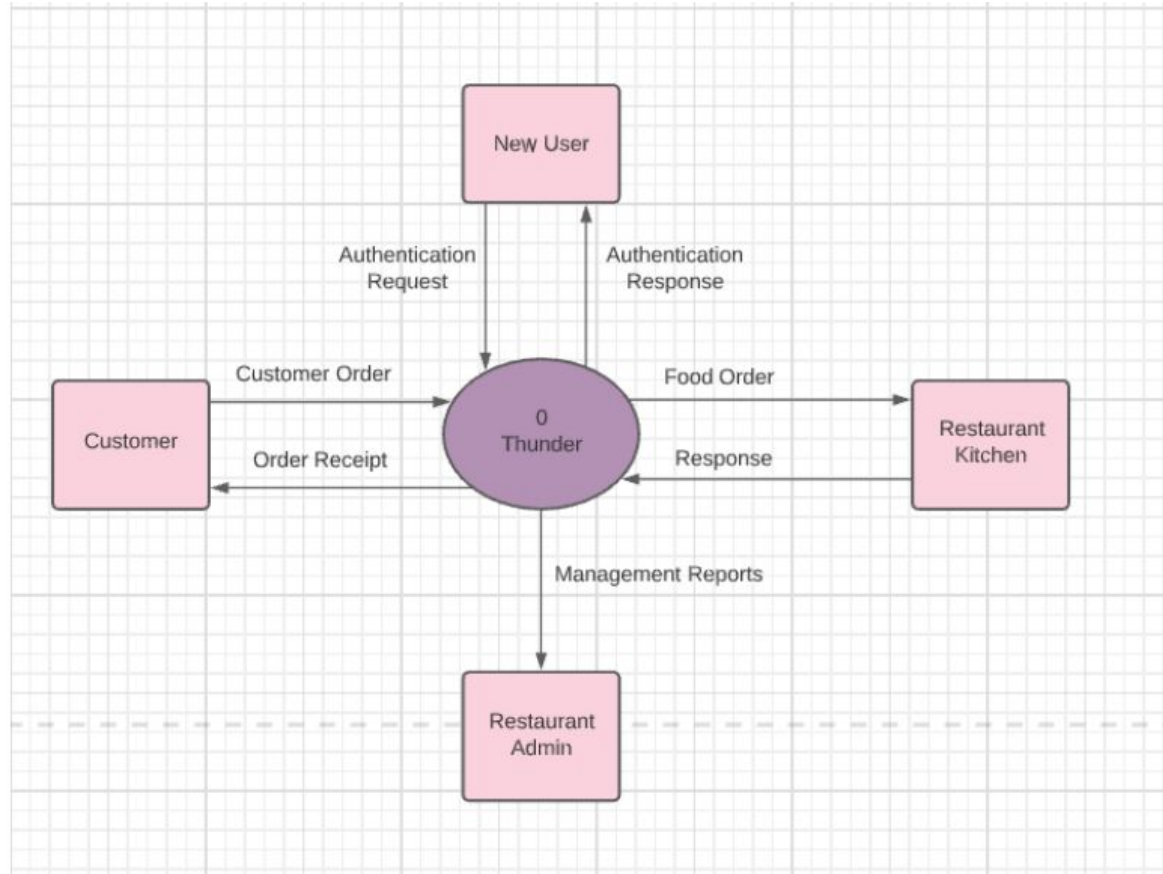
User Authentication <i>Process</i>				
	1	2	3	4
Login Credential Validity	Y	Y	N	Y
Email ID registered	N	Y	N	Y
Password Matched	N	N	N	Y
Direct to Home Page (Authentication Approval, Response)	N	N	N	Y

Decision Tree of User Authentication (1.0)



Data Dictionary (for Data flow)

DFD Level 0



Data Flow of DFD Level 0

Sno.	Data	Description
1	User Authentication (<i>Email_id</i> / <i>Password</i>)	This is the input entered by the user to login into the Thunder . The data is in the form of text
2	Restaurant Profile List	It shows list of all the Restaurant available in the COS Market.
3	Menu List	It shows the menu list of Restaurant selected by the customer.

Data Flow (User Info Input - Level 1)

Data Flow Name	User Info Input
Data Flow Description	This data flow contains the input entered during login and the response of system
Input Source	1.0 User Register
Output Source	3.0 Add Items to Cart

Data Dictionary (for Data Store)

Data Dictionary: Profile View

Field Name	Data Type	Data Format	Field Size	Description	Example
Name	Varchar2	Text	20	Name of User	Harsh
Hostel Name	Varchar	Text		User's Hostel	H
Email_ID	Varchar2	---	30	User's Email Id	harshkashyap@gmail.com
Password	varchar	bcrypt	10	Password	*****
Phone no	Number	---	10	User's Phone no.	8051789669
Room No.	Varchar2	--	20	User's Room No.	E-205