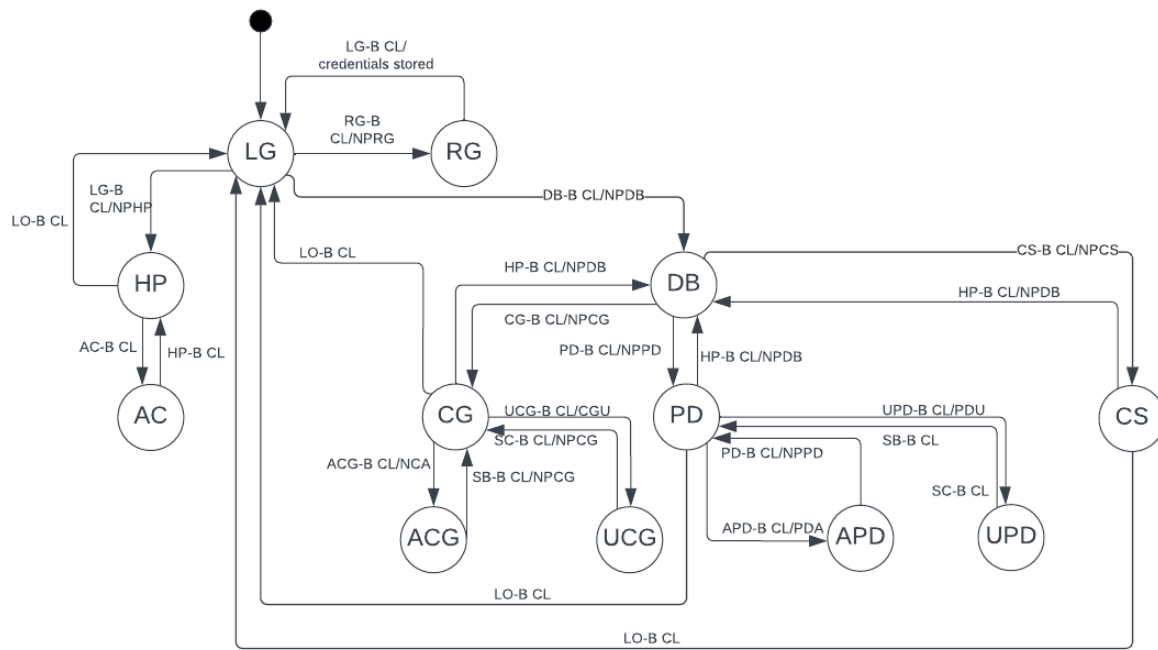


# 1. State Transition Testing

Abbreviations	Expanded Form
B	Button
CL	Clicked
NP	Next Page
LG	Login
LO	Logout
RG	Register
HP	Homepage
DB	Dashboard
AC	Add to Cart
CG	Categories
PD	Products
CS	Customers
SB	Submit
SC	Save Changes
ACG	Add Category
UCG	Update Category
NCA	New Customer added
CGU	Category update
APD	Add product
UPD	Update product
PDA	Product added
PDU	Product updated

# Diagram



## 3.1 STATES TABLE

Test case No.	Current State	Event	Action	Next State
3.1.1	Null	LG-B	-	LG
3.1.2	Null	RG-B	-	Null
3.1.3	Null	AC-B	-	Null
3.1.4	Null	HP-B	-	Null
3.1.5	Null	DB-B	-	Null
3.1.6	Null	CG-B	-	Null
3.1.7	Null	ACG-B	-	Null
3.1.8	Null	PD-B	-	Null
3.1.9	Null	UCG-B	-	Null
3.1.10	Null	APD-B	-	Null
3.1.11	Null	UPD-B	-	Null
3.1.12	Null	CS-B	-	Null
3.1.13	LG	LG-B	-	HP
3.1.14	LG	RG-B	NPRG	RG
3.1.15	LG	AC-B	-	LG
3.1.16	LG	HP-B	NPHP	HP
3.1.17	LG	DB-B	NPDB	DB
3.1.18	LG	CG-B	-	LG
3.1.19	LG	ACG-B	-	LG
3.1.20	LG	PD-B	-	LG
3.1.21	LG	UCG-B	-	LG
3.1.22	LG	APD-B	-	LG
3.1.23	LG	UPD-B	-	LG
3.1.24	LG	CS-B	-	LG

3.1.25	RG	LG-B	Credentials stored	LG
3.1.26	RG	RG-B	-	RG
3.1.27	RG	AC-B	-	RG
3.1.28	RG	HP-B	-	RG
3.1.29	RG	DB-B	-	RG
3.1.30	RG	CG-B	-	RG
3.1.31	RG	ACG-B	-	RG
3.1.32	RG	PD-B	-	RG
3.1.33	RG	UCG-B	-	RG
3.1.34	RG	APD-B	-	RG
3.1.35	RG	UPD-B	-	RG
3.1.36	RG	CS-B	-	RG
3.1.37	HP	LG-B	-	LO
3.1.38	HP	RG-B	-	HP
3.1.39	HP	AC-B	-	AC
3.1.40	HP	HP-B	-	HP
3.1.41	HP	DB-B	-	HP
3.1.42	HP	CG-B	-	HP
3.1.43	HP	ACG-B	-	HP
3.1.44	HP	PD-B	-	HP
3.1.45	HP	UCG-B	-	HP
3.1.46	HP	APD-B	-	HP
3.1.47	HP	UPD-B	-	HP
3.1.48	HP	CS-B	-	HP
3.1.49	AC	LG-B	-	AC
3.1.50	AC	RG-B	-	AC

3.1.51	AC	AC-B	-	AC
3.1.51	AC	HP-B	-	HP
3.1.52	AC	DB-B	-	AC
3.1.53	AC	CG-B	-	AC
3.1.54	AC	ACG-B	-	AC
3.1.55	AC	PD-B	-	AC
3.1.56	AC	UCG-B	-	AC
3.1.57	AC	APD-B	-	AC
3.1.58	AC	UPD-B	-	AC
3.1.59	AC	CS-B	-	AC
3.1.60	DB	LG-B	-	DB
3.1.61	DB	RG-B	-	DB
3.1.62	DB	AC-B	-	DB
3.1.63	DB	HP-B	-	DB
3.1.64	DB	DB-B	-	DB
3.1.65	DB	CG-B	NPCG	CG
3.1.66	DB	ACG-B	-	DB
3.1.67	DB	PD-B	NPPD	DB
3.1.68	DB	UCG-B	-	DB
3.1.69	DB	APD-B	-	DB
3.1.70	DB	UPD-B	-	DB
3.1.71	DB	CS-B	NPCS	CS
3.1.72	CG	LG-B	-	LO
3.1.73	CG	RG-B	-	CG
3.1.74	CG	AC-B	-	CG
3.1.75	CG	HP-B	-	CG
3.1.76	CG	DB-B	NPDB	DB

3.1.77	CG	CG-B	-	CG
3.1.78	CG	ACG-B	NCA	ACG
3.1.79	CG	PD-B	-	CG
3.1.80	CG	UCG-B	CGU	UCB
3.1.81	CG	APD-B	-	CG
3.1.82	CG	UPD-B	-	CG
3.1.83	CG	CS-B	-	CG
3.1.84	PD	LG-B	-	LO
3.1.85	PD	RG-B	-	PD
3.1.86	PD	AC-B	-	PD
3.1.87	PD	HP-B	-	PD
3.1.88	PD	DB-B	NPDB	DB
3.1.89	PD	CG-B	-	PD
3.1.90	PD	ACG-B	-	PD
3.1.91	PD	PD-B	-	PD
3.1.92	PD	UCG-B	-	PD
3.1.93	PD	APD-B	PDA	APD
3.1.94	PD	UPD-B	PDU	UPD
3.1.95	PD	CS-B	-	PD
3.1.96	CS	LG-B	-	LO
3.1.97	CS	RG-B	-	CS
3.1.98	CS	AC-B	-	CS
3.1.99	CS	HP-B	-	CS
3.1.100	CS	DB-B	NPDB	DB
3.1.101	CS	CG-B	-	CS
3.1.102	CS	ACG-B	-	CS
3.1.103	CS	PD-B	-	CS

3.1.104	CS	UCG-B	-	CS
3.1.105	CS	APD-B	-	CS
3.1.106	CS	UPD-B	-	CS
3.1.107	CS	CS-B	-	CS
3.1.108	ACG	LG-B	-	ACG
3.1.109	ACG	RG-B	-	ACG
3.1.110	ACG	AC-B	-	ACG
3.1.111	ACG	HP-B	-	ACG
3.1.112	ACG	DB-B	-	ACG
3.1.113	ACG	CG-B	NPCG	CG
3.1.114	ACG	ACG-B	-	ACG
3.1.115	ACG	PD-B	-	ACG
3.1.116	ACG	UCG-B	-	ACG
3.1.117	ACG	APD-B	-	ACG
3.1.118	ACG	UPD-B	-	ACG
3.1.119	ACG	CS-B	-	ACG
3.1.120	UCG	LG-B	-	UCG
3.1.121	UCG	RG-B	-	UCG
3.1.122	UCG	AC-B	-	UCG
3.1.123	UCG	HP-B	-	UCG
3.1.124	UCG	DB-B	-	UCG
3.1.125	UCG	CG-B	NPCG	CG
3.1.126	UCG	ACG-B	-	UCG
3.1.127	UCG	PD-B	-	UCG
3.1.128	UCG	UCG-B	-	UCG
3.1.129	UCG	APD-B	-	UCG
3.1.130	UCG	UPD-B	-	UCG

3.1.131	UCG	CS-B	-	UCG
3.1.132	APD	LG-B	-	APD
3.1.133	APD	RG-B	-	APD
3.1.134	APD	AC-B	-	APD
3.1.135	APD	HP-B	-	APD
3.1.136	APD	DB-B	-	APD
3.1.137	APD	CG-B	-	APD
3.1.138	APD	ACG-B	-	APD
3.1.139	APD	PD-B	NPPD	PD
3.1.140	APD	UCG-B	-	APD
3.1.141	APD	APD-B	-	APD
3.1.142	APD	UPD-B	-	APD
3.1.143	APD	CS-B	-	APD
3.1.144	UPD	LG-B	-	UPD
3.1.145	UPD	RG-B	-	UPD
3.1.146	UPD	AC-B	-	UPD
3.1.147	UPD	HP-B	-	UPD
3.1.148	UPD	DB-B	-	UPD
3.1.149	UPD	CG-B	-	UPD
3.1.150	UPD	ACG-B	-	UPD
3.1.151	UPD	PD-B	-	PD
3.1.152	UPD	UCG-B	-	UPD
3.1.153	UPD	APD-B	-	UPD
3.1.154	UPD	UPD-B	-	UPD
3.1.155	UPD	CS-B	-	UPD



## 3.2 TRANSITION TOURS

Serial No.	Transition Tours	States Visited
1	<LG, RG-B CL, RG>;<RG, LG-B/credentials stored, LG>	LG, RG
2	<LG, LG-B CL, HP>;<HP, LG-B CL, LG>	LG, HP
3	<HP, AC-B CL, AC>;<AC, HP-B CL, HP>	HP, AC
4	<LG, LG-B CL, DB>;<DB, CG-B CL, CG>;<CG, LO-B CL, LG>	LG, DB, CG
5	<LG, LG-B CL, DB>;<DB, PD-B CL, PD>;<PD, LO-B CL, LG>	LG, DB, PD
6	<LG, LG-B CL, DB>;<DB, CS-B CL, CS>;<CS, LO-B CL, LG>	LG, DB, CS
7	<DB, CG-B CL, CG>;<CG, HP-B CL, DB>	DB, CG
8	<DB, PD-B CL, PD>;<PD, HP-B CL, DB>	DB, PD
9	<DB, CS-B CL, CS>;<CS, HP-B CL, DB>	DB, CS
10	<CG, ACG-B CL/NCA, ACG>;<ACG, SB-B CL, CG>	CG, ACG
11	<CG, UCG-B CL/CGU, UCG>;<UCG, SC-B CL, CG>	CG, UCG
12	<PD, APD-B CL/NPA, APD>;<APD, SB-B CL, PD>	PD, APD
13	<PD, UPD-B CL/PDU, UPD>;<UPD, SC-B CL, PD>	PD, UPD
14	<LG, LG-B CL, DB>;<DB, CG-B CL, CG>;<CG, ACG-B CL/NCA, ACG>;<ACG, SB-B CL, CG>;<CG, LO-B CL, LG>	LG, DB, CG, ACG
15	<LG, LG-B CL, DB>;<DB, CG-B CL, CG>;<CG, UCG-B CL/CGU, UCG>;<UCG, SC-B CL, CG>;<CG, LO-B CL, LG>	LG, DB, CG, UCG
16	<LG, LG-B CL, DB>;<DB, PD-B CL, PD>;<PD, APD-B CL/NPA, APD>;<APD, SB-B CL, PD>;<PD, LO-B CL, LG>	LG, DB, PD, APD
17	<LG, LG-B CL, DB>;<DB, PD-B CL, PD>;<PD, UPD-B CL/PDU, UPD>;<UPD, SC-B CL, PD>;<PD, LO-B CL, LG>	LG, DB, PD, UPD

### 3.3 TEST CASES

TID	Paths	Start(Input)	End(Output)
1	LG->RG-B->RG->LG-B->LG	LG	LG
2	LG->RG-B->RG->LG-B->LG->HP-B->HP	LG	HP
3	LG->RG-B->RG->LG-B->HP->AC-B->AC	LG	Not a valid path
4	LG->DB-B->DB->CS-B->CS	LG	CS
5	LG->DB-B->DB->CS-B->CS->LO-B->LG	LG	Not a valid path
6	AC->HP-B->HP->LO-B->LG	AC	Not a valid path
7	LG->DB-B->DB->PD-B->PD	LG	PD
8	LG->DB-B->DB->PD-B->PD->LO-B->LG	LG	Not a valid path
9	DB->PD-B->PD->UPD-B->UPD	DB	UPD
10	DB->PD-B->PD->APD-B->APD	DB	APD
11	DB->CG-B->CG->ACG-B->ACG	DB	ACG
12	DB->CG-B->CG->UCG-B->UCG	DB	UCG
13	DB->CG-B->CG->LO-B->LG	DB	Not a valid path
14	ACG->ACG-B->CG->LO-B->LG	ACG	Not a valid path
15	UCG->SC-B->CG->LO-B->LG	UCG	Not a valid path
16	APD->APD-B->PD->LO-B->LG	APD	Not a valid path
17	UPD->SB-B->PD->LO-B->LG	UPD	Not a valid path