Dept. of **Computer Science and Engineering**

ST.JOSEPH'S
COLLEGE OF ENGINEERING
AND TECHNOLOGY,
-PALAI-
AUTONOMOUS

24SJPBCST304 OBJECT ORIENTED PROGRAMMING
TEST CASE RESULTS

TEAM DETAILS			
Sl No	**Class Roll No**	**University Reg. No**	**Name of the Student**
1	47	SJC24CS147	**Keerthana G Pillai**
2	53	SJC24CS165	**Maria S Patani**
3	61	SJC24CS186	**Pranav S Nair**
4	71	SJC24CS212	**Thomas Cherian**
PROJECT DETAILS			

Project Title: ForgeGrid

Test Case ID	Test Scenario	Test Steps / Inputs	Expected Result	Actual Result	Status (Pass/ Fail)
TC01	User Signup	1) Open app → SignUp 2)Username: 'alice' 3) Email: 'alice@example.com' 4) Password: 'Passw0rd!' 5) Click 'Sign Up'	New user inserted into `users`; success dialog; navigate to Login	User inserted into `users`; success dialog; redirected to Login	Pass
TC02	Signup Duplicate Username /Email	Try to register with existing username or email	Registration fails; error shown; no new DB row	Registration blocked; error shown; no new DB row	Pass

TC03	Signup Empty Fields	1) Leave any of Username/Email/Password blank 2) Click 'Sign Up'	Error: "Please fill in all fields: …"	Error shown: "Please fill in all fields: …"	Pass
TC04	Login (Username)	1) Enter valid username + password 2) Click 'Login'	Auth succeeds; current profile loaded; proceed to onboarding check	Authenticated; profile loaded; onboarding check performed	Pass
TC05	Login (Email)	1) Enter valid email + password 2) Click 'Login'	Auth succeeds; same as TC04	Authenticated via email; same flow as username	Pass
TC06	Login Invalid Credentials	1) Enter wrong password 2) Click 'Login'	Error: "Invalid username or password."; remain on Login	Error: "Invalid username or password."; stays on Login	Pass
TC07	Remember Me Save	1) Check "Remember Me" 2) Login success	`forgegrid.prefs` stores `remember.me=true`, username, Base64 password; next launch auto-fills	`forgegrid.prefs` stores `remember.me`, username, Base64 password; auto-fill on next launch	Pass
TC08	Remember Me Clear	1) Uncheck "Remember Me" 2) Login success	Preferences cleared; next launch does not auto-fill	Preferences cleared; no auto-fill on next launch	Pass
TC09	Onboarding Prompt (New User)	1) Login with new user (no onboarding)	Show 'ONBOARDING_PROMPT' card with Yes/Skip	"ONBOARDING_PROMPT" card shown with Yes/Skip	Pass
TC10	Onboarding Flow	1) From prompt click Yes	Saves `onboarding_*` in	Answers saved to `users`;	Pass

	(Yes)	2) Answer Q1/Q2/Q3 3) Continue	`users`, sets `onboarding_comp leted=1`, opens Dashboard	`onboarding_complet ed=1`; Dashboard opens	
TC11	Onboardin g Skip	1) From prompt click 'Skip for now'	Saves goal='Skipped', language/skill='Not specified', sets completed=1, opens Dashboard	Saves goal="Skipped", language/skill="Not specified"; completed=1; Dashboard opens	Pass
TC12	Welcome Back (Returning User)	1) Login where `onboarding_compl eted=1`	Show Welcome Back panel; Continue opens Dashboard	Welcome Back panel shown; Continue opens Dashboard	Pass
TC13	Password Reset	1) Click 'Forgot Password?' 2) Enter existing username 3) Enter new valid password	Updates hashed password in `users`; success dialog	Password updated (SHA-256 hashed); success dialog	Pass
TC14	DB Connectio n Failure	1) Stop MySQL / break credentials 2) Start app / attempt auth	Error: "Database initialization failed" or "Authentication error …"; no crash	App throws initialization error (startup fails) rather than graceful error dialog	Fail
TC15	User Preferenc es Save	1) From Dashboard trigger save prefs (where applicable)	Row upserted in `user_preferences`, `customize_comple ted=TRUE`	Upserted into `user_preferences`; `customize_complete d=TRUE`	Pass
TC16	Build Script (Windows)	1) Run `build.bat`	`bin/` created, sources compiled, resources copied; success message	`bin/` created; sources compiled; resources copied; success message	Pass

TC17	Run App	1) Double-click `run.bat` or run `Main` in IDE	App launches with Welcome → Login	Launches to Welcome → Login	Pass
TC18	Field Validation (Login)	1) Leave fields blank 2) Click Login	Error: "Please fill in all fields."	Error: "Please fill in all fields."	Pass
TC19	Field Validation (Numeric)	1) Enter non-text in text fields (e.g., symbols)	Inputs accepted as text; no crash; validation handled per form	Text fields accept input; no crash; validation per form	Pass
TC20	Table/Data Refresh After Action	1) Complete onboarding then open Dashboard	Dashboard loads with personalized data (language/skill visible where used)	Dashboard loads with personalized data after onboarding	Pass