

**24SJBCST304 OBJECT ORIENTED PROGRAMMING
User Manual**

TEAM DETAILS			
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PROJECT DETAILS			
Project Title : ForgeGrid			
<p>User Manual :</p> <p>ForgeGrid User Manual</p> <p>Overview</p> <p>ForgeGrid is a minimalist, fast desktop app built with Java Swing to help you practice and track pro tasks.</p> <p>You authenticate, complete a lightweight onboarding (first-time only), then use the Dashboard to s complete, or skip tasks.</p> <p>All data persists to a Railway-hosted MySQL database.</p>			
<p>System Requirements</p> <ul style="list-style-type: none">Windows 10 or later (recommended).macOS/Linux supported when running from source.Java 17+ runtimeInternet connectivity for login, tasks, and syncing.			
<p>Launching ForgeGrid</p> <ul style="list-style-type: none">Windows: Double-click run.bat from the app folder (or run it in a terminal).macOS/Linux (from source): Run ./build.sh once, then start from your IDE or withjava -jar ForgeGrid.jar <p>(See TECHNICAL_SETUP.md for details.)</p>			
<p>Welcome Screen</p> <p>Purpose: A simple entry point to reach authentication.</p>			

Steps

1. Open the app; the title bar shows "ForgeGrid".
2. Click "Start" to proceed to the Authentication screen.

Tips

- You can resize the window; layout remains readable.
- If the app shows a brief loading state during transitions, please wait.



Authentication (Login & Sign Up)

Use this screen to log in to your existing account or create a new one.

Login

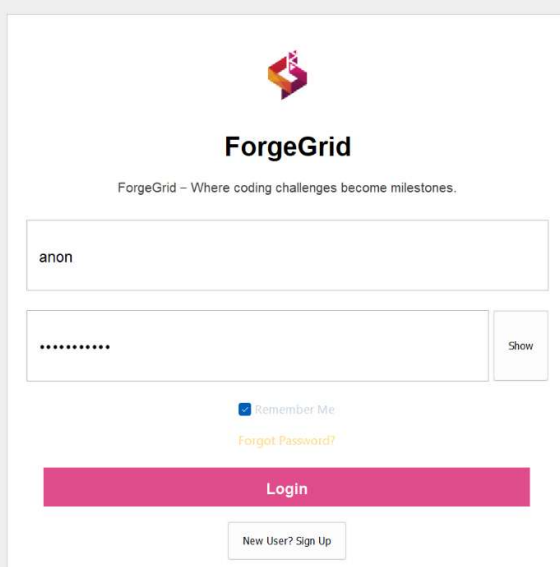
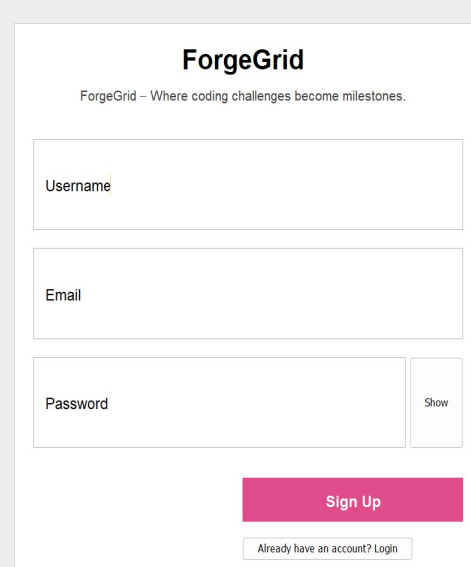
1. Enter your Username (or Email) and Password.
2. Press Enter or click "Login".
3. If successful:
 - First-time users → go to Onboarding.
 - Returning users → go to Dashboard.

Sign Up

1. Click "New User? Sign Up".
2. Provide Username, Email, and Password.
3. Click "Sign Up" to create your account, then log in.

Convenience & Security

- Password field shows dots (•) by default. Click "Show" to reveal if needed.
- "Remember Me" can store the last successful username locally.
- "Forgot Password?" allows you to reset using your username or email.

The image shows the login form. At the top is the ForgeGrid logo and the text 'ForgeGrid' and 'ForgeGrid – Where coding challenges become milestones.'. Below this is a text input field for the username, containing the text 'anon'. Below the username field is a password input field with dots for masking. To the right of the password field is a 'Show' button. Below the password field is a 'Remember Me' checkbox, which is checked, and a 'Forgot Password?' link. At the bottom is a large pink 'Login' button and a smaller 'New User? Sign Up' button.The image shows the sign up form. At the top is the ForgeGrid logo and the text 'ForgeGrid' and 'ForgeGrid – Where coding challenges become milestones.'. Below this are three text input fields: 'Username', 'Email', and 'Password'. The 'Password' field has a 'Show' button to its right. At the bottom is a large pink 'Sign Up' button and a smaller 'Already have an account? Login' button.

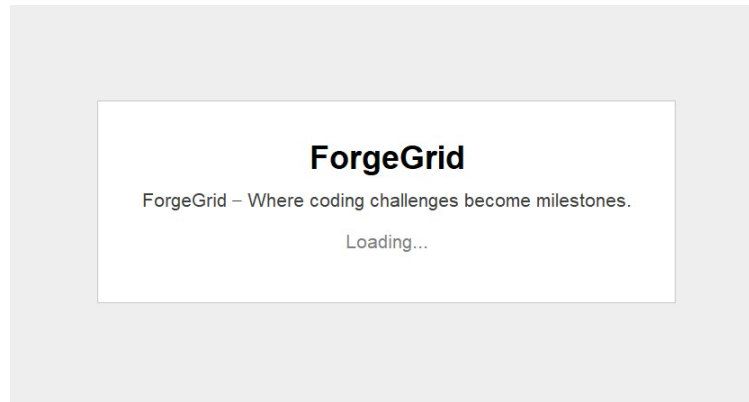
Troubleshooting

- Invalid credentials: Retry; check Caps Lock.
- Forgot password: Use "Forgot Password?" and follow the prompt.
- No internet: Reconnect and try again.

Loading Screen

You may briefly see a loading screen during app startup or when switching major views (e.g., after before Dashboard).

This is normal and prevents UI freezes while data is fetched.



Onboarding (First-Time Only)

Purpose: Tailor the experience to your goals and skill level.

What You'll Answer (3 Quick Questions)

1. Your primary goal
2. Preferred programming language (Java, Python, C, JavaScript)
3. Skill level (Beginner → Expert)

Steps

1. After your first successful login, the onboarding panel opens automatically.
2. Answer each question and proceed to the next.
3. Click "Finish" to save your preferences.

Result

- Preferences are saved and used to adapt tasks and recommendations.

Returning users who have completed onboarding go directly to the Dashboard.

Q2. What's your preferred programming language?

Java

Python

C

JavaScript

Continue

Back

Welcome back, anon!

Great to see you again! Your personalized dashboard is ready.
Let's continue your journey on ForgeGrid.

Continue to Dashboard

Dashboard

Your home screen for all task and profile actions.

Layout

- **Sidebar (left):** Navigate between different views.
- **Main content (center):** Displays current view (Tasks, History, Profile, etc.).

Core Actions

- **Start Next Task:** Fetches the next recommended task and opens it.
- **Complete Task:** Submits the current task, credits XP, and updates your history.
- **Skip Task:** Skips the current task with a small XP penalty.
- **Manage Goated Tasks:** Create and manage your own custom tasks.

Profile & Settings

- **Update email, preferred language, skill level, and preferred time.**
- **Logout:** Clears session and “Remember Me” data.

Real-Time Feedback

- **XP, progress, and history update immediately.**
- **Motivational content and quick stats may appear in the main panel.**

Navigation

- **Click items in the sidebar to switch views.**
- **The window is resizable; layout adapts to remain readable.**

Goated Tasks (Custom Tasks)

- **Create custom tasks with a deadline in HH.MM.SS format (e.g., 02.15.00).**
- **Use the Task Popup for creating or editing tasks.**

Task Popup Dialog

- **Focused interface for starting, submitting, or skipping a task.**
- **Simplified layout — redundant buttons removed.**

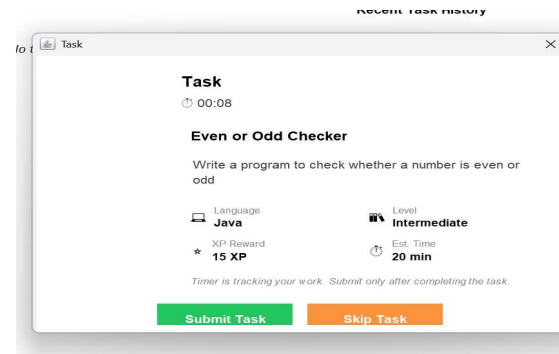
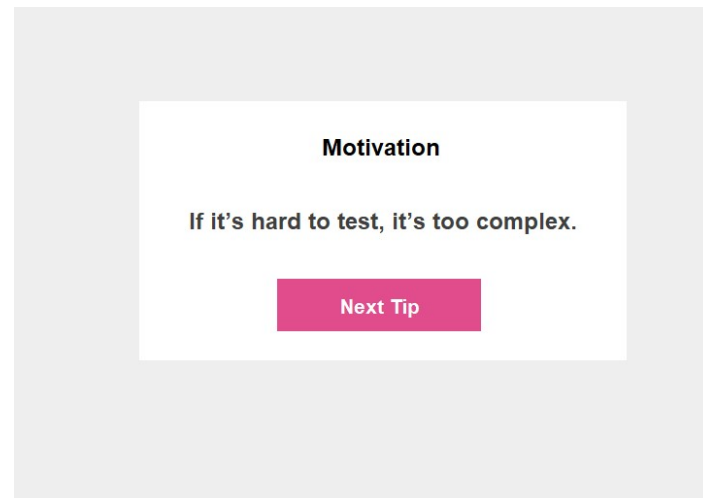
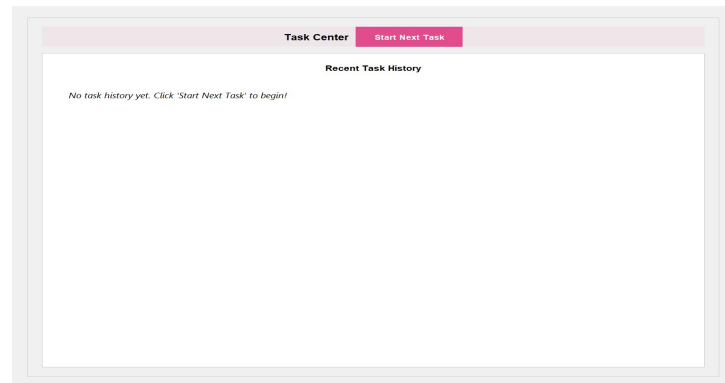
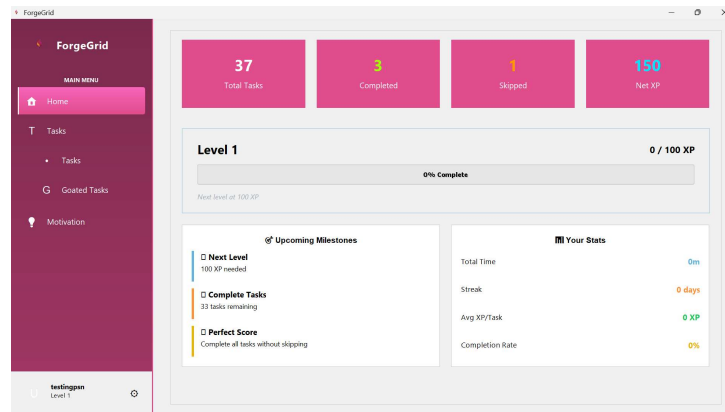
Connectivity Notes

- **If offline, fetching or saving tasks may fail.
Reconnect and retry once online.**

Shortcuts & Tips

- **Press Enter on forms to submit quickly.**

- Use the "Show" button on password fields only when needed.
- Keep the app updated to benefit from UI and performance improvements.



Custom Tasks

Add Custom Task

No custom tasks yet. Click "Add Custom Task" to create one.

Add Custom Task

New Custom Task

Title

Description

Duration (HH:MM:SS)

XP

Cancel

Save

Account Information

Username

testingspsn

Email Address

psn@gmail.com

Preferred Programming Language

Java

Current Skill Level

Beginner

Preferred Time for Tasks

Morning (6 AM - 12 PM)

Save Changes

Logout

Settings

General Preferences

Sound Effects

Enable sound effects and notifications

Notifications

Show alerts and reminders

Auto-Save

Automatically save progress every 5 minutes

Account

testingspsn

Level 1

Logout

Troubleshooting

Issue	Solution
Can't log in	Verify credentials, reset password, check network.
Stuck on loading	Wait a few seconds; if persistent, restart the app.
UI looks cramped	Resize the window to a larger size.
Changes not saving	Check internet connectivity and try again.
Deadline format error	Use HH.MM.SS format (e.g., 02.15.00).

FAQs

Do I have to redo onboarding?

No. Once completed, you go straight to the Dashboard. You can change preferences anytime in Pro

Where is my data stored?

In a Railway-hosted MySQL database connected by the app.

Is my password visible?

No — it's masked by default. You can temporarily reveal it using the "Show" toggle.

