

## Bug List for Authentication System

ID	Bug Description	Severity	Type
1	Random duplicate registration	High	Intentional Logic
2	Plain text password storage	Critical	Security
3	No password confirmation	Medium	UX/Security
4	No login attempt limit	High	Security
5	No input length validation	Medium	Logic/Validation
6	No file locking (multi-threaded risk)	Low	File Integrity
7	Colon not escaped in username/password	Medium	Data Corruption
8	Case sensitivity not explained	Low	UX
9	No logging or feedback tracking	Medium	Debugging
10	Login/registration forms not cleared after success	Low	UX
11	No exit or reset buttons	Low	UX
12	Multiple register windows allowed	Low	UX
13	Duplicate entries in users.txt	Medium	Data Integrity
14	No input sanitization	Medium	Security/Validation
15	users dict might get outdated	Medium	Runtime Logic
16	Flat file storage not scalable	Low	Architecture