

1. Input Validation:
 - InputValidator class acts as a barricade since it validates input before it enters the system.
 - It checks for correct line formats, numerical IDs, and non-empty names.
2. Error Handling:
 - Custom exceptions are thrown for different error conditions.
3. Robustness Improvements:
 - The Person class uses a Set for connections to prevent duplicates.
 - Immutable fields are marked as final.
 - The getConnections method returns an unmodifiable set to prevent external modifications.
 - Equals and hashCode methods are implemented for Person class.
4. Defensive Coding Practices:
 - Null checks are added where necessary.
 - Input parameters are validated in constructors and methods.
 - SocialNetwork class uses a map for efficient person lookup.
5. Exception Handling:
 - Specific exceptions are caught and handled.