**Process Model: Waterfall**

1. **Requirement Analysis**

* Collect gym staff and member requirements (already done in Week 1–2).
* Document features: registration, memberships, attendance, health tracking, tips.

1. **System Design**

* System architecture.
* Database schema for members, attendance, health data.

1. **Implementation (Development)**

* Frontend development.
* Backend with database integration.
* Build modules sequentially: Registration → Membership → Attendance → Health Monitoring → Tips.

1. **Integration & Testing**

* Unit testing for each module.
* Integration testing for data flow between modules.
* User acceptance testing with gym staff and members.

1. **Deployment**

* Host the system on a web server.
* Train staff.
* Begin live usage.

1. **Maintenance**

* Fix bugs.
* Small updates.
* Prepare roadmap for future developments.