

Assignment 2

Micky Driver

INFO C451: System Implementation

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Project Statement

Most gyms today use a membership system that is outdated or doesn't allow the user to complete tasks on their own. The current systems do not allow a user to sign in or make appointments with a trainer remotely. Most of the time a member just wants to get in, work out, and get out. A member can spend unwanted time at the front desk, along with a lot of time waiting for occupied machines. A perfect solution to this problem is an updated system to allow users to interact with the issues mentioned. The system will reduce the time that the members interact with the front desk in order to provide them with a hasty and satisfactory outcome.

Glossary of Terms

System – Generalization of user interface

Member – End user

Sign-up – User application and sign-up forum

Sign-in – User remote sign-in

Scheduler – Allows user to make appointments remotely

System requirements

Functional Requirements

No.	Priority Weight	Description
REQ-1	6	Sign-up/Account creation

REQ-2	6	Remote check-in
REQ-3	5	Remote reservations
REQ-4	6	Log-In/Sign-In
REQ-5	4	Log-out/Sign-out
REQ-6	5	Edit user information
REQ-7	6	Retrieve user information

Non-functional Requirements

No.	Priority Weight	Description
REQ-8	4	Check log in history
REQ-9	6	Show busy status of location
REQ-10	5	User account verification through phone or email
REQ-11	3	Internet connection
REQ-12	4	Appointment time updates/changes
REQ-13	4	Check payments
REQ-14	5	Check user information for validation

Interface Requirements

REQ-15	8	Username and password for user account creation
REQ-16	6	Device to access website/application
REQ-17	6	Profile settings options to update user information
REQ-18	7	Appointment scheduler
REQ-19	6	Log-in UI
REQ-20	8	Account information UI
REQ-21		
REQ-22		