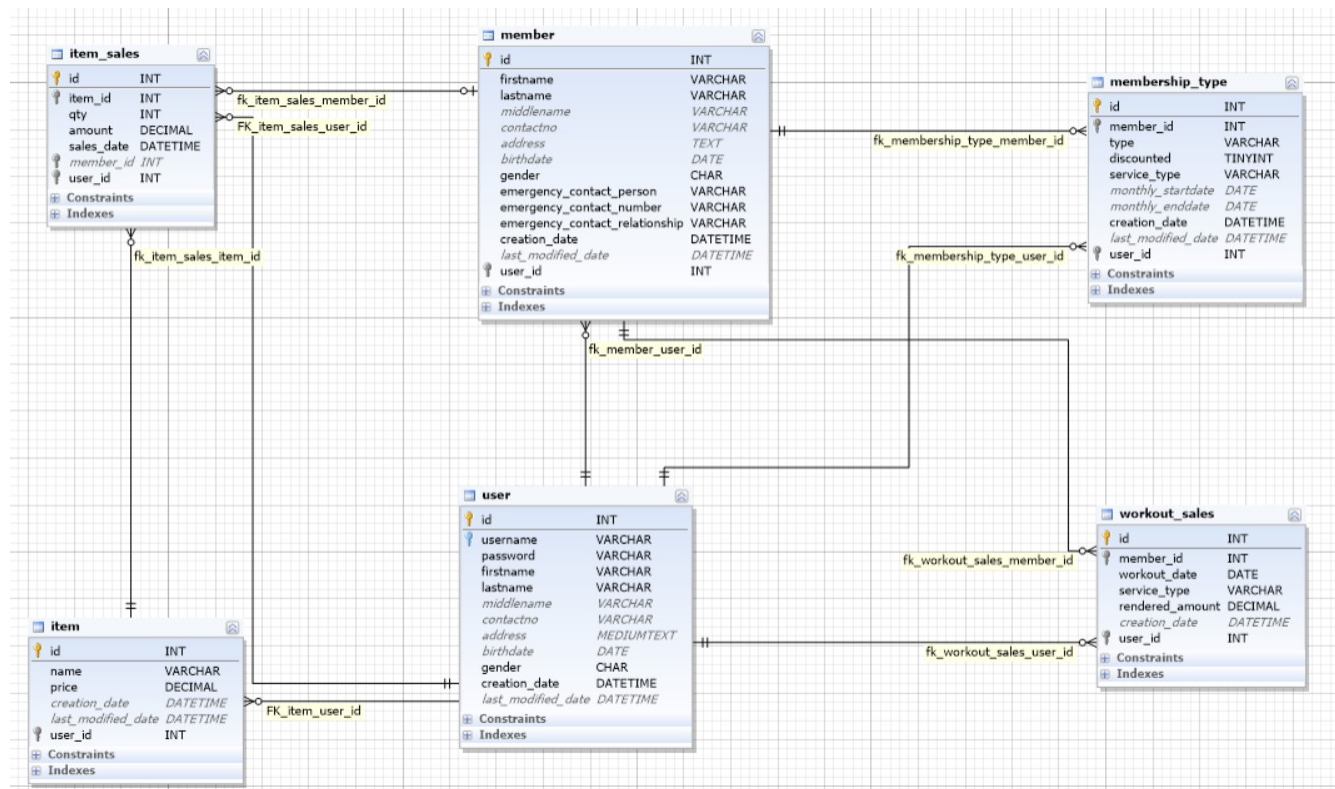


Gym Records Management System (GRMSys)

Database Design



Gym Records Management System (GRMSys)

Tables

User:

+

grmsys_db.user

Engine:

INNODB

	Name	Data Type	Unsigned	Auto Increment	Allow nulls	Default
<input checked="" type="checkbox"/>	id	INT(10)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	username	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	password	VARCHAR(100)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	firstname	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	lastname	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	middlename	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NULL
<input type="checkbox"/>	contactno	VARCHAR(25)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NULL
<input type="checkbox"/>	address	MEDIUMTEXT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NULL
<input type="checkbox"/>	birthdate	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NULL
<input type="checkbox"/>	gender	CHAR(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'M'
<input type="checkbox"/>	creation_date	DATETIME	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	last_modified_date	DATETIME	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NULL

Main

Constraints

Indexes

Options

Partitioning

Data

Name	Columns	Type
PRIMARY	id	Primary Key


Item:

+

grmsys_db.item

Engine:

INNODB

	Name	Data Type	Unsigned	Auto Increment	Allow nulls	Default
<input checked="" type="checkbox"/>	id	INT(10)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	name	VARCHAR(50)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	price	DECIMAL(11, 2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.00
<input type="checkbox"/>	creation_date	DATETIME	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NULL
<input type="checkbox"/>	last_modified_date	DATETIME	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NULL
<input type="checkbox"/>	user_id	INT(10)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1

Main

Constraints

Indexes

Options

Partitioning

Data

Name	Columns	Type
PRIMARY	id	Primary Key
FK_item_user_id	user_id	Foreign Key

Gym Records Management System (GRMSys)

Member:

+

grmsys_db.member

Engine:

INNODB

	Name	Data Type	Unsigned	Auto Increment	Allow nulls	Default
<input checked="" type="checkbox"/>	id	<div>INT(10)</div>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	firstname	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	lastname	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	middlename	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NULL
<input type="checkbox"/>	contactno	VARCHAR(25)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NULL
<input type="checkbox"/>	address	TEXT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NULL
<input type="checkbox"/>	birthdate	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NULL
<input type="checkbox"/>	gender	CHAR(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'M'
<input type="checkbox"/>	emergency_contact_person	VARCHAR(125)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	emergency_contact_number	VARCHAR(25)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	emergency_contact_relationship	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	creation_date	DATETIME	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	last_modified_date	DATETIME	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NULL
<input type="checkbox"/>	user_id	INT(10)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1

Main

Constraints

Indexes

Options

Partitioning

Data


Name	Columns	Type
PRIMARY	id	Primary Key
fk_member_user_id	user_id	Foreign Key

Gym Records Management System (GRMSys)

Membership_type:

+ grmsys_db.membership_type

Engine: INNODB

	Name	Data Type	Unsigned	Auto Increment	Allow nulls	Default
<input checked="" type="checkbox"/>	id	INT(10)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	member_id	INT(10)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	type	VARCHAR(15)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'Walk-in'
<input type="checkbox"/>	discounted	TINYINT(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0
<input type="checkbox"/>	service_type	VARCHAR(15)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'weights'
<input type="checkbox"/>	monthly_startdate	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NULL
<input type="checkbox"/>	monthly_enddate	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NULL
<input type="checkbox"/>	creation_date	DATETIME	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	last_modified_date	DATETIME	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NULL
<input type="checkbox"/>	user_id	INT(10)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1

Main Constraints Indexes Options Partitioning Data


Name	Columns	Type
PRIMARY	id	Primary Key
fk_membership_type_member_id	member_id	Foreign Key
fk_membership_type_user_id	user_id	Foreign Key

Items_sales:

Main Constraints Indexes Options Partitioning Data

grmsys_db.item_sales

Engine: INNODB

	Name	Data Type	Unsigned	Auto Increment	Allow nulls	Default
<input checked="" type="checkbox"/>	id	INT(10)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	item_id	INT(10)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0
<input type="checkbox"/>	qty	INT(11)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	amount	DECIMAL(11, 2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	sales_date	DATETIME	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	member_id	INT(11)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NULL
<input type="checkbox"/>	user_id	INT(10)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1

Main Constraints Indexes Options Partitioning Data

Name	Columns	Type
PRIMARY	id	Primary Key
fk_item_sales_item_id	item_id	Foreign Key
fk_item_sales_member_id	member_id	Foreign Key
FK_item_sales_user_id	user_id	Foreign Key

Gym Records Management System (GRMSys)

Workout_sales:

grmsys_db.workout_sales

Engine:

INNODB

	Name	Data Type	Unsigned	Auto Increment	Allow nulls	Default
<input checked="" type="checkbox"/>	id	INT(10)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	member_id	INT(10)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0
<input type="checkbox"/>	workout_date	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	service_type	VARCHAR(15)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'weights'
<input type="checkbox"/>	rendered_amount	DECIMAL(11, 2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.00
<input type="checkbox"/>	creation_date	DATETIME	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NULL
<input type="checkbox"/>	user_id	INT(10)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1

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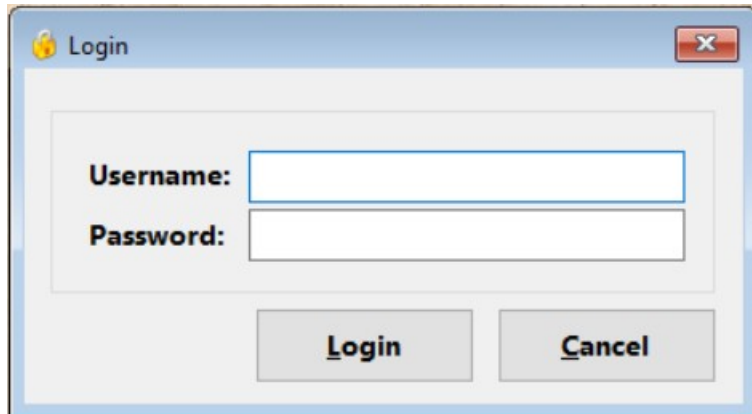
Data

Name	Columns	Type
PRIMARY	id	Primary Key
fk_workout_sales_member_id	member_id	Foreign Key
fk_workout_sales_user_id	user_id	Foreign Key

Gym Records Management System (GRMSys)

User Interface

Login:



A login dialog box titled "Login" with a close button (X) in the top right corner. It contains two input fields: "Username:" and "Password:". Below the fields are two buttons: "Login" and "Cancel".

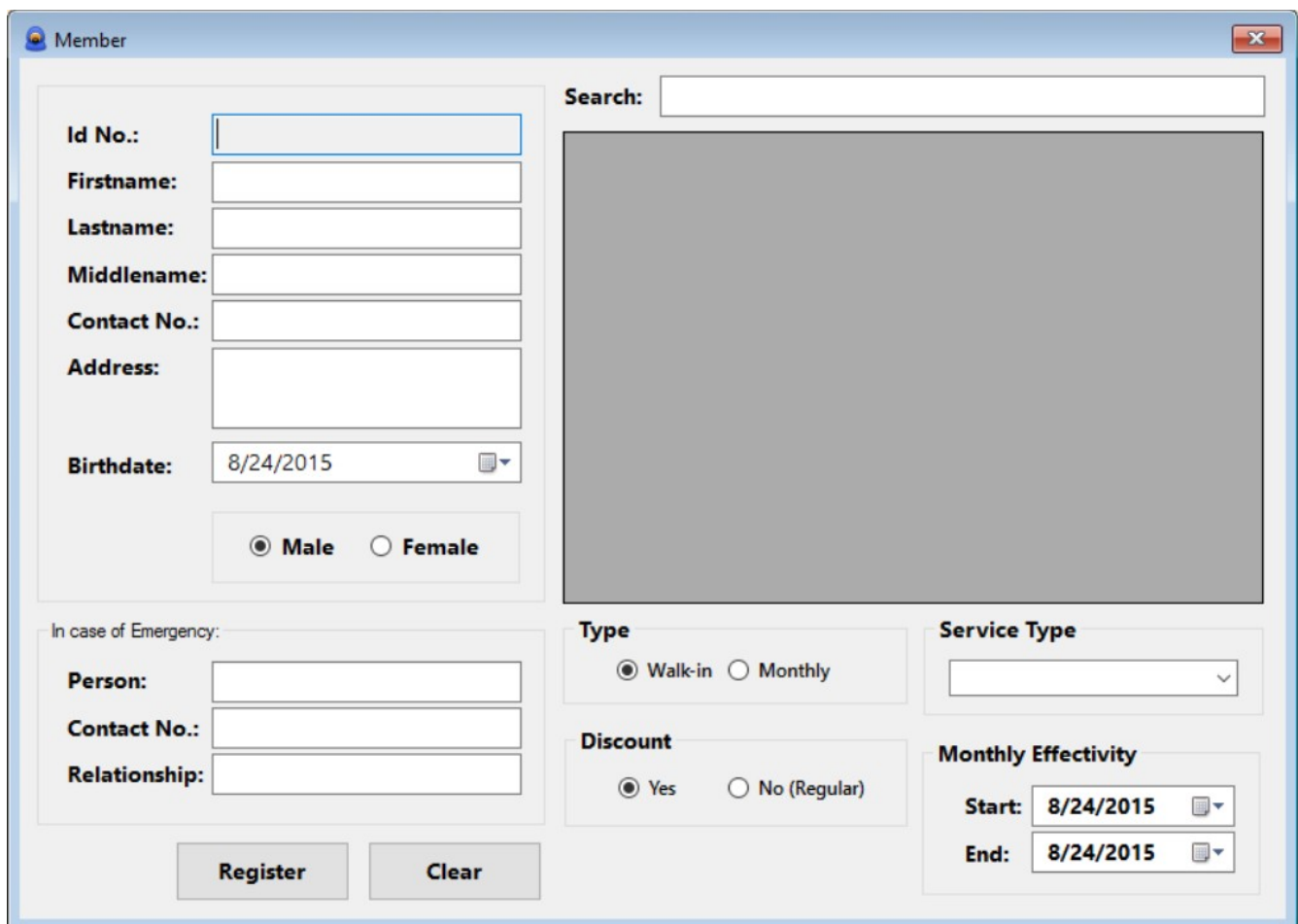
Login

Username:

Password:

Login **Cancel**

Member:



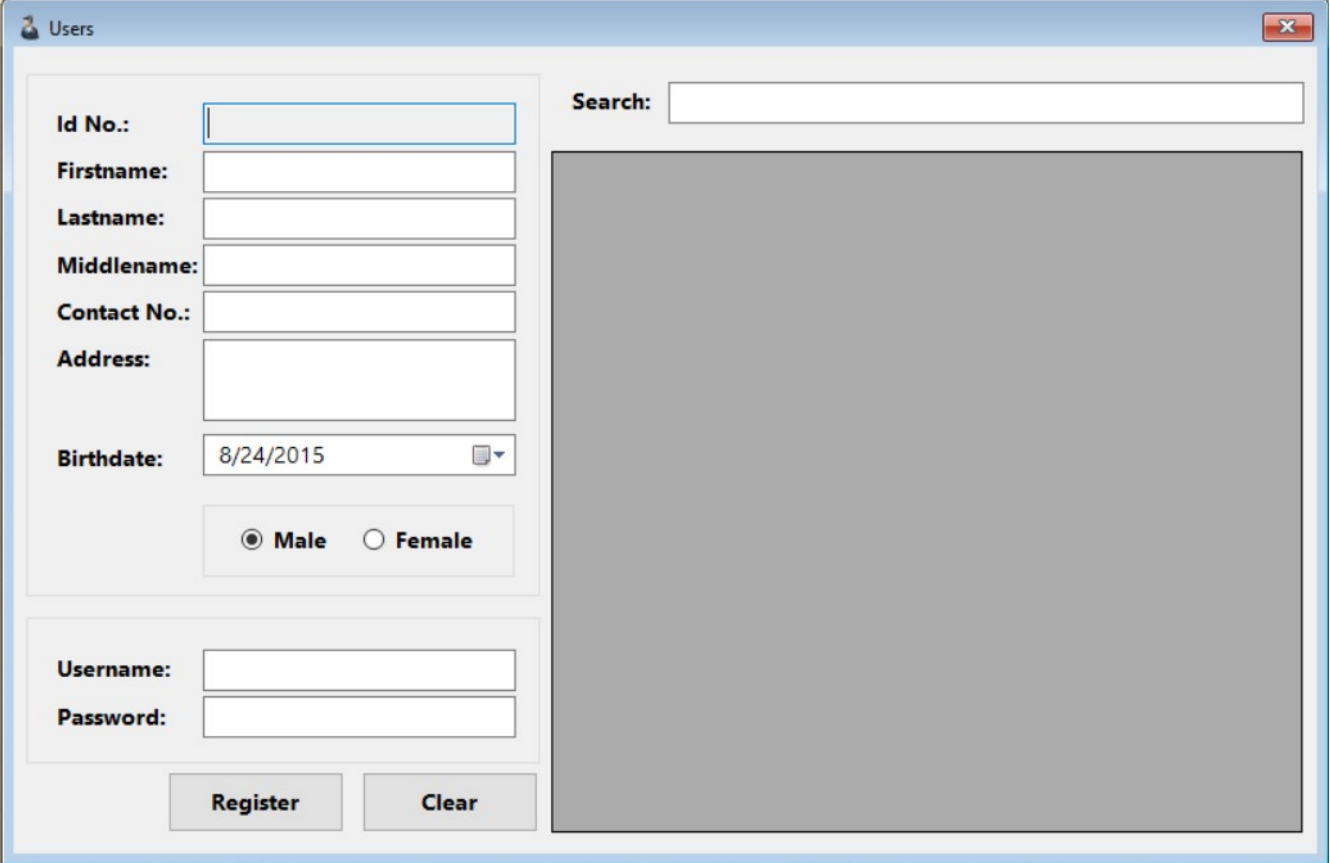
A member registration form titled "Member" with a close button (X) in the top right corner. The form is divided into several sections:

- Search:** A search bar at the top right.
- Form Fields:**
 - Id No.:** A text input field.
 - Firstname:** A text input field.
 - Lastname:** A text input field.
 - Middlename:** A text input field.
 - Contact No.:** A text input field.
 - Address:** A text input field.
 - Birthdate:** A date picker showing 8/24/2015.
 - Gender:** Radio buttons for **Male** (selected) and **Female**.
- In case of Emergency:**
 - Person:** A text input field.
 - Contact No.:** A text input field.
 - Relationship:** A text input field.
- Type:** Radio buttons for **Walk-in** (selected) and **Monthly**.
- Discount:** Radio buttons for **Yes** (selected) and **No (Regular)**.
- Service Type:** A dropdown menu.
- Monthly Effectivity:**
 - Start:** A date picker showing 8/24/2015.
 - End:** A date picker showing 8/24/2015.

Register **Clear**

Gym Records Management System (GRMSys)

User:



The 'Users' window is a software interface for managing user records. It features a title bar with a user icon and the text 'Users'. The main area is divided into two sections. On the left, there is a form for adding or editing a user, with fields for 'Id No.', 'Firstname', 'Lastname', 'Middlename', 'Contact No.', 'Address', 'Birthdate' (with a date picker showing '8/24/2015'), and 'Gender' (with radio buttons for 'Male' and 'Female'). Below these fields are 'Username' and 'Password' fields. At the bottom of this section are 'Register' and 'Clear' buttons. On the right, there is a 'Search:' label followed by a text input field. Below the search field is a large, empty gray rectangular area, likely intended for displaying search results or a list of users.

Users

Id No.:

Firstname:

Lastname:

Middlename:

Contact No.:

Address:

Birthdate:

☒ Male ☐ Female

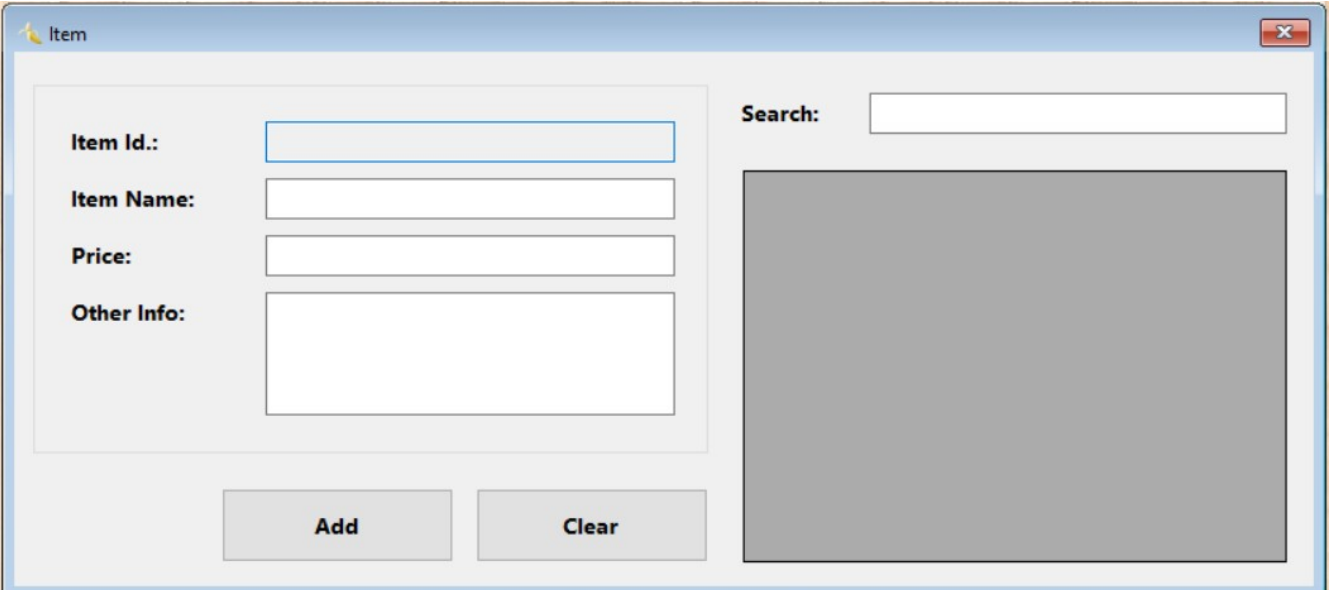
Username:

Password:

Register Clear

Search:

Item:



The 'Item' window is a software interface for managing item records. It features a title bar with a folder icon and the text 'Item'. The main area is divided into two sections. On the left, there is a form for adding or editing an item, with fields for 'Item Id.', 'Item Name', 'Price', and 'Other Info'. At the bottom of this section are 'Add' and 'Clear' buttons. On the right, there is a 'Search:' label followed by a text input field. Below the search field is a large, empty gray rectangular area, likely intended for displaying search results or a list of items.

Item

Item Id.:

Item Name:

Price:

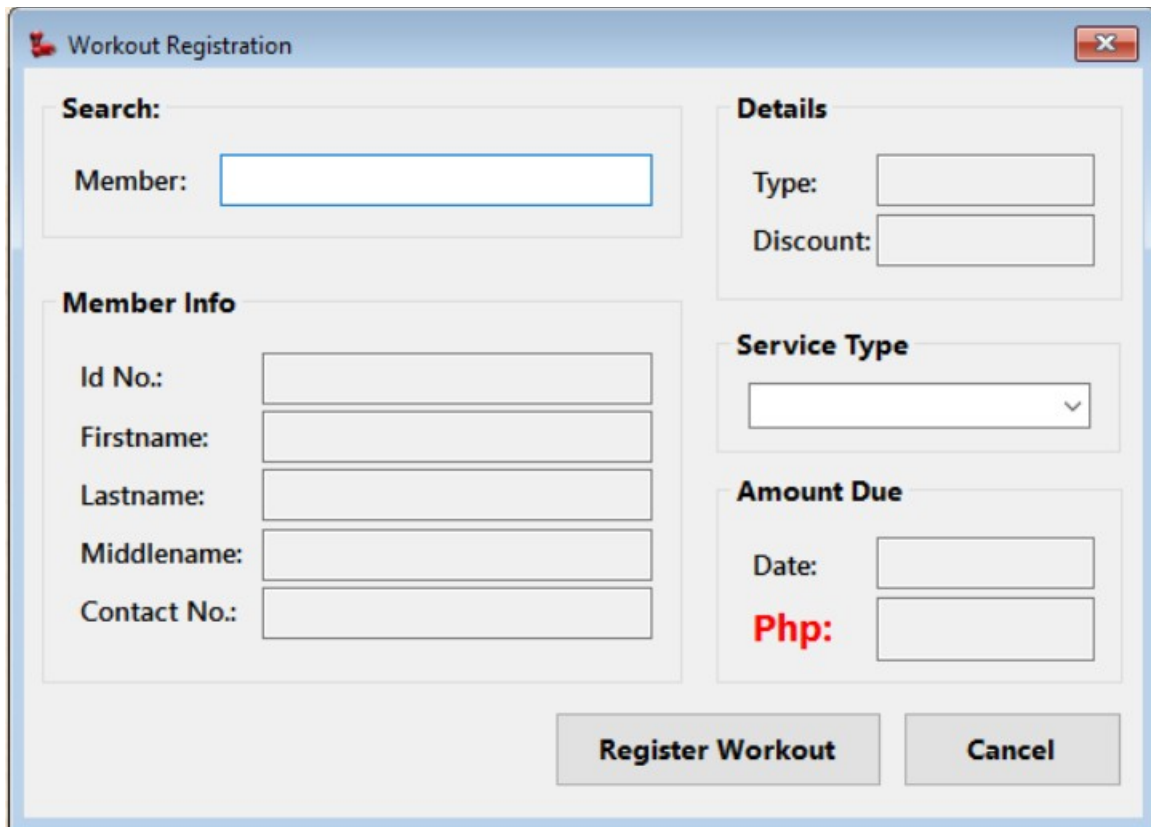
Other Info:

Add Clear

Search:

Gym Records Management System (GRMSys)

Workout Registration:



The 'Workout Registration' dialog box is a light blue window with a title bar containing a red icon and the text 'Workout Registration'. It features a close button (X) in the top right corner. The dialog is divided into several sections: a 'Search:' section with a 'Member:' label and a text input field; a 'Member Info' section with labels for 'Id No.', 'Firstname', 'Lastname', 'Middlename', and 'Contact No.', each followed by a text input field; a 'Details' section with labels for 'Type' and 'Discount', each followed by a text input field; a 'Service Type' section with a dropdown menu; and an 'Amount Due' section with labels for 'Date' and 'Php', each followed by a text input field. At the bottom, there are two buttons: 'Register Workout' and 'Cancel'.

Workout Registration

Search:

Member:

Member Info

Id No.:

Firstname:

Lastname:

Middlename:

Contact No.:

Details

Type:

Discount:

Service Type

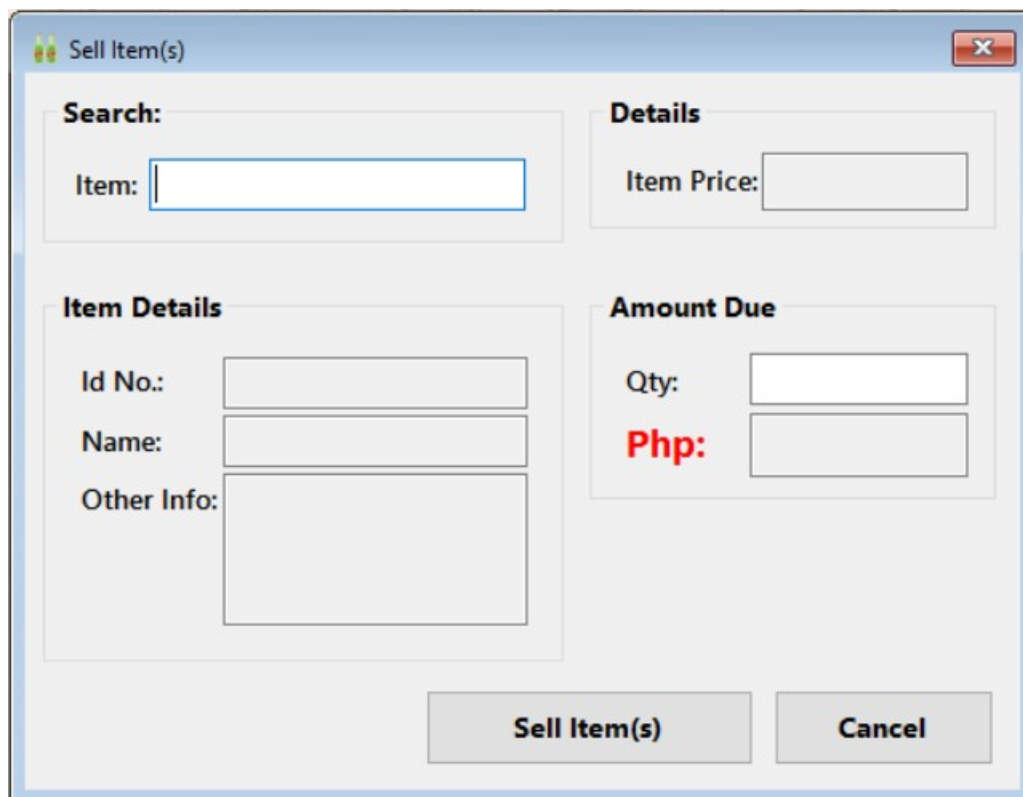
Amount Due

Date:

Php:

Register Workout **Cancel**

Sell Items:



The 'Sell Item(s)' dialog box is a light blue window with a title bar containing a green icon and the text 'Sell Item(s)'. It features a close button (X) in the top right corner. The dialog is divided into several sections: a 'Search:' section with an 'Item:' label and a text input field; an 'Item Details' section with labels for 'Id No.', 'Name', and 'Other Info', each followed by a text input field; a 'Details' section with an 'Item Price:' label and a text input field; and an 'Amount Due' section with labels for 'Qty' and 'Php', each followed by a text input field. At the bottom, there are two buttons: 'Sell Item(s)' and 'Cancel'.

Sell Item(s)

Search:

Item:

Item Details

Id No.:

Name:

Other Info:

Details

Item Price:

Amount Due

Qty:

Php:

Sell Item(s) **Cancel**