

```
(venv) PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System> python manage.py makemigrations
No changes detected
(venv) PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System> python manage.py migrate
Operations to perform:
  Apply all migrations: admin, auth, contenttypes, sessions
Running migrations:
  Applying contenttypes.0001_initial... OK
  Applying admin.0001_initial... OK
  Applying admin.0002_logentry_remove_auto_add... OK
  Applying admin.0003_logentry_add_action_flag_choices... OK
  Applying contenttypes.0002_remove_content_type_name... OK
  Applying auth.0001_initial... OK
  Applying auth.0002_alter_permission_name_max_length... OK
  Applying auth.0003_alter_user_email_max_length... OK
  Applying auth.0004_alter_user_username_opts... OK
  Applying auth.0005_alter_user_last_login_null... OK
  Applying auth.0006_require_contenttypes_0002... OK
  Applying auth.0007_alter_validators_add_error_messages... OK
  Applying auth.0008_alter_user_username_max_length... OK
  Applying auth.0009_alter_user_last_name_max_length... OK
  Applying auth.0010_alter_group_name_max_length... OK
  Applying auth.0011_update_proxy_permissions... OK
  Applying auth.0012_alter_user_first_name_max_length... OK
  Applying sessions.0001_initial... OK
(venv) PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System> |
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```
(venv) PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System> python manage.py makemigrations accounts invoices core
Migrations for 'accounts':
  accounts\migrations\0001_initial.py
    + Create model Role
    + Create model CustomUser
Migrations for 'invoices':
  invoices\migrations\0001_initial.py
    + Create model Invoice
    + Create model InvoiceItem
    + Create model Payment
(venv) PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System> |
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  Applying auth.0003_alter_user_email_max_length... OK
  Applying auth.0004_alter_user_username_opts... OK
  Applying auth.0005_alter_user_last_login_null... OK
  Applying auth.0006_require_contenttypes_0002... OK
  Applying auth.0007_alter_validators_add_error_messages... OK
  Applying auth.0008_alter_user_username_max_length... OK
  Applying auth.0009_alter_user_last_name_max_length... OK
  Applying auth.0010_alter_group_name_max_length... OK
  Applying auth.0011_update_proxy_permissions... OK
  Applying auth.0012_alter_user_first_name_max_length... OK
  Applying accounts.0001_initial... OK
  Applying admin.0001_initial... OK
  Applying admin.0002_logentry_remove_auto_add... OK
  Applying admin.0003_logentry_add_action_flag_choices... OK
  Applying invoices.0001_initial... OK
  Applying sessions.0001_initial... OK
(venv) PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System> |
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```
(venv) PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System> python manage.py createsuperuser
Username: admin
Email address: admin@example.com
Password:
Password (again):
Error: Your passwords didn't match.
Password:
Password (again):
Superuser created successfully.
(venv) PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System> |
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Operations to perform:
  Apply all migrations: accounts, admin, auth, contenttypes, invoices, sessions
Running migrations:
  No migrations to apply.
(venv) PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System> python manage.py createsuperuser
Username: admin
Error: That username is already taken.
Username: exit
Email address: exit@example.com
Password:
Password (again):
Superuser created successfully.
(venv) PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System> |
```

Login

Username:

Password:

Login

User Roles and Permissions

Role	Can See Invoices	Can Create/Edit	Can Mark as Paid
Admin	All	Yes	No
Member	Their own only	No	No
Coach	All	No	No
Accountant	All	No	Yes

Django administration

Site administration

ACCOUNTS

Roles [+ Add](#) [Change](#)

Users [+ Add](#) [Change](#)

AUTHENTICATION AND AUTHORIZATION

Groups [+ Add](#) [Change](#)

INVOICES

Invoice items [+ Add](#) [Change](#)

Invoices [+ Add](#) [Change](#)

Payments [+ Add](#) [Change](#)

Recent actions

My actions

None available

Django administration

WELCOME, **ADMIN** / VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Accounts > Roles

Start typing to filter...

ACCOUNTS

Roles + Add

Users + Add

AUTHENTICATION AND AUTHORIZATION

Groups + Add

INVOICES

Invoice items + Add

Invoices + Add

Payments + Add

Select role to change

ADD ROLE +

Action: ----- Go 0 of 6 selected

☐ ROLE

☐ Admin

☐ Member

☐ Coach

☐ Customer

☐ Accountant

☐ John

6 roles

Django administration

WELCOME, **ADMIN** / VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Accounts > Users > admin (No Role)

Start typing to filter...

ACCOUNTS

Roles + Add

Users + Add

AUTHENTICATION AND AUTHORIZATION

Groups + Add

INVOICES

Invoice items + Add

Invoices + Add

Payments + Add

Change user

HISTORY

admin (No Role)

Username: admin

Required: 150 characters or fewer. Letters, digits and @/+/./_ only.

Password: algorithm: pbkdf2_sha256 iterations: 1000000 salt: ZxHAXe***** hash: FUhNimu*****

Reset password

Raw passwords are not stored, so there is no way to see the user's password.

Personal info

First name:

Last name:

Email address: admin@example.com

Permissions

☒ Active

Start typing to filter...

ACCOUNTS

Roles + Add

Users + Add

AUTHENTICATION AND AUTHORIZATION

Groups + Add

INVOICES

Invoice items + Add

Invoices + Add

Payments + Add

Permissions

☒ Active

Designates whether this user should be treated as active. Unselect this instead of deleting accounts.

☒ Staff status

Designates whether the user can log into this admin site.

☒ Superuser status

Designates that this user has all permissions without explicitly assigning them.

Groups:

Available groups

Chosen groups

Choose all

Remove all

The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.

User permissions:

Available user permissions

Chosen user permissions

Choose all

Remove all

The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.

User permissions:

Available user permissions

Filter

Accounts | user | Can add user

Accounts | user | Can change user

Accounts | user | Can delete user

Accounts | user | Can view user

Accounts | role | Can add role

Accounts | role | Can change role

Accounts | role | Can delete role

Accounts | role | Can view role

Administration | log entry | Can add log entry

Administration | log entry | Can change log entry

Administration | log entry | Can delete log entry

Choose all

Chosen user permissions

Filter

Remove all

Specific permissions for this user. Hold down "Control", or "Command" on a Mac, to select more than one.

Important dates

Last login:

Date:

2025-04-22

Today |

Time:

13:04:28

Now |

Note: You are 6 hours ahead of server time.

Date joined:

Date:

2025-04-22

Today |

Time:

13:04:28

Now |

Note: You are 6 hours ahead of server time.

Important dates

Last login:

Date:

2025-04-22

Today |

Time:

13:04:28

Now |

Note: You are 6 hours ahead of server time.

Date joined:

Date:

2025-04-22

Today |

Time:

12:53:14

Now |

Note: You are 6 hours ahead of server time.

Custom fields

Role:

Admin

SAVE

Save and add another

Save and continue editing

Delete

The user "admin (Admin)" was changed successfully.

Select user to change

ADD USER +

Search

Action:

Go

0 of 2 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	ROLE
<input type="checkbox"/>	admin	admin@example.com	Admin
<input type="checkbox"/>	exit	exit@example.com	-

2 users

FILTER

Show counts

By staff status

All

Yes

No

By superuser status

All

Yes

No

By active

All

Yes

No

Django administration

WELCOME, ADMIN VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Invoices > Invoice items > Add invoice item

Start typing to filter...

ACCOUNTS

Roles + Add

Users + Add

AUTHENTICATION AND AUTHORIZATION

Groups + Add

INVOICES

Invoice items + Add

Invoices + Add

Payments + Add

Add invoice item

Invoice:

Invoice #1 for exit

+

Description:

workout

Quantity:

12

Unit price:

125

SAVE

Save and add another

Save and continue editing

Select invoice to change

ADD INVOICE +

Action:

Go

0 of 1 selected

<input type="checkbox"/>	ID	USER	STATUS	DUE DATE
<input type="checkbox"/>	1	exit (Member)	Unpaid	April 22, 2025

1 invoice

Add payment

Invoice:

Invoice #1 for exit

+

Amount:

125

Method:

Card

SAVE

Save and add another

Save and continue editing

Django administration

WELCOME ADMIN VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Invoices > Payments

Start typing to filter...

ACCOUNTS

Roles + Add

Users + Add

AUTHENTICATION AND AUTHORIZATION

Groups + Add

INVOICES

Invoice items + Add

Invoices + Add

Payments + Add

Select payment to change

ADD PAYMENT +

Action: Go 0 of 1 selected

PAYMENT

Payment for Invoice #1 - 125.00 via card

1 payment

Change history: Coach

DATE/TIME	USER	ACTION
April 22, 2025, 1:21 p.m.	admin	Added.

1 entry

```
PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System> python manage.py test tests
Found 3 test(s).
Creating test database for alias 'default'...
System check identified no issues (0 silenced).
...
-----
Ran 3 tests in 3.628s

OK
Destroying test database for alias 'default'...
PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System>
```

```
PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System> python manage.py test tests.test_core
Found 2 test(s).
Creating test database for alias 'default'...
System check identified no issues (0 silenced).
..
-----
Ran 2 tests in 2.338s

OK
Destroying test database for alias 'default'...
PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System>
```

```
PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System> python manage.py test tests.test_invoices
Found 1 test(s).
Creating test database for alias 'default'...
System check identified no issues (0 silenced).
.
-----
Ran 1 test in 1.134s

OK
Destroying test database for alias 'default'...
PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System>
```

```
Destroying test database for alias 'default'...
PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System> python manage.py test tests.test_core.Dashboa
rdTests
Found 1 test(s).
System check identified no issues (0 silenced).
E
-----
ERROR: DashboardTests (unittest.loader._FailedTest.DashboardTests)
-----
AttributeError: module 'tests.test_core' has no attribute 'DashboardTests'
-----
Ran 1 test in 0.001s

FAILED (errors=1)
python manage.py test tests.test_core.Dashboa
```

```
FAILED (errors=1) python manage.py test tests.test_core.Dashboa
rdTests.test_home_viewrve - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System>
Found 1 test(s).
System check identified no issues (0 silenced).
E
=====
ERROR: DashboardTests (unittest.loader._FailedTest.DashboardTests)
-----
AttributeError: module 'tests.test_core' has no attribute 'DashboardTests'
-----

Ran 1 test in 0.001s

FAILED (errors=1)
PS C:\Users\jktge\OneDrive - Technological University Dublin\PycharmProjects\Web Development Framework\Sports-Club-Invoicing-System> █
```