

Milestone 3 - Infrastructure Setup

Presented to

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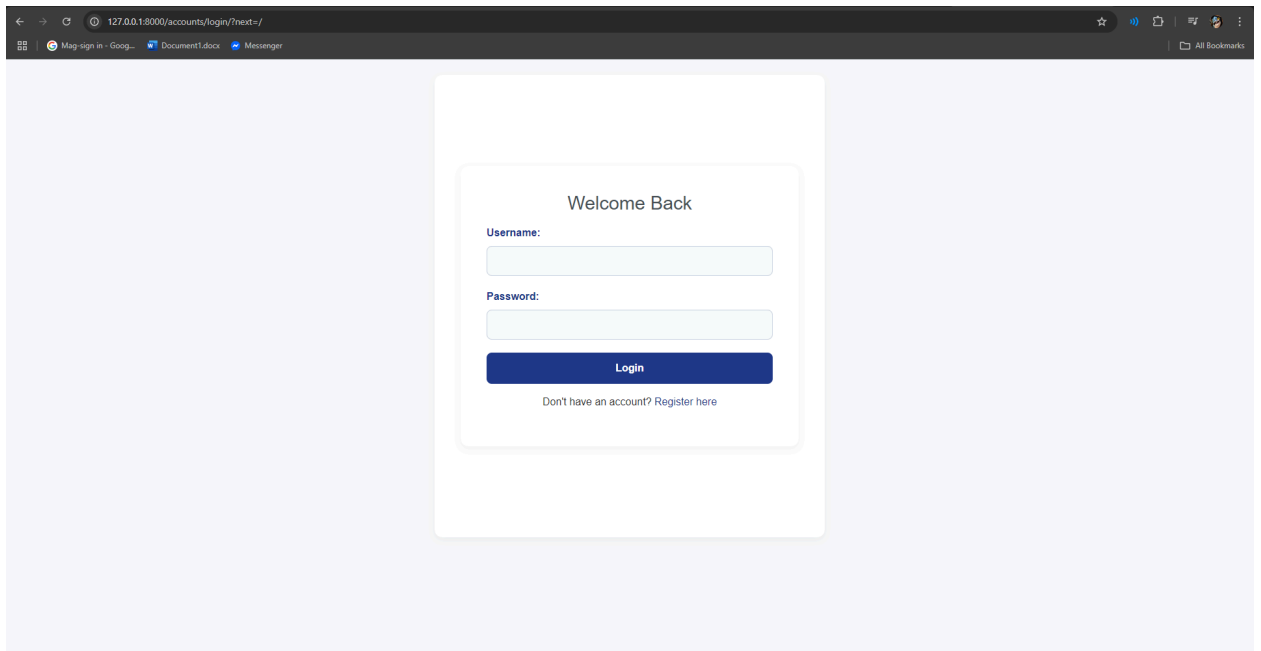
May 1, 2025

Milestone 3: Infrastructure Setup

- Set up the development environment, including web server, database server, and version control system.

Web server

```
System check identified 1 issue (0 silenced).
May 08, 2025 - 23:20:09
Django version 5.1.6, using settings 'config.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```



Database server

```
76 DATABASES = {
77     'default': {
78         'ENGINE': 'django.db.backends.sqlite3',
79         'NAME': BASE_DIR / 'db.sqlite3',
80     }
81 }
```

DB Browser for SQLite - D:\UAO-RES-SYSTEM-RUBIO-MERGE-KARLOS\db.sqlite3

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Undo Open Project Save Project Attach Database Close Database


Database Structure Browse Data Edit Pragma Execute SQL

Create Table Create Index Modify Table Delete Table Print Refresh

Name	Type	Schema
Tables (17)		
> accounts_userprofile	CREATE TABLE "accounts_userprofile" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "full_	
> admin_portal_profile	CREATE TABLE "admin_portal_profile" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "cour	
> auth_group	CREATE TABLE "auth_group" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "name" varcha	
> auth_group_permissions	CREATE TABLE "auth_group_permissions" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "	
> auth_permission	CREATE TABLE "auth_permission" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "content_	
> auth_user	CREATE TABLE "auth_user" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "password" var	
> auth_user_groups	CREATE TABLE "auth_user_groups" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "user_i	
> auth_user_user_permissions	CREATE TABLE "auth_user_user_permissions" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMEN	
> django_admin_log	CREATE TABLE "django_admin_log" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "object	
> django_content_type	CREATE TABLE "django_content_type" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "app	
> django_migrations	CREATE TABLE "django_migrations" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "app" \	
> django_session	CREATE TABLE "django_session" ("session_key" varchar(40) NOT NULL PRIMARY KEY, "session_data	
> reservations_reservation	CREATE TABLE "reservations_reservation" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "	
> sqlite_sequence	CREATE TABLE sqlite_sequence(name,seq)	
> user_portal_notification	CREATE TABLE "user_portal_notification" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "n	
> user_portal_profile	CREATE TABLE "user_portal_profile" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "cours	
> user_portal_reservation	CREATE TABLE "user_portal_reservation" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "f	
Indices (19)		
> auth_group_permissions_group_id_b12...	CREATE INDEX "auth_group_permissions_group_id_b120cbf9" ON "auth_group_permissions" ("group	
> auth_group_permissions_group_id_per...	CREATE UNIQUE INDEX "auth_group_permissions_group_id_permission_id_0cd325b0_uniq" ON "autl	
> auth_group_permissions_permission_i...	CREATE INDEX "auth_group_permissions_permission_id_84c5c92e" ON "auth_group_permissions" ("	
> auth_permission_content_type_id_2f47...	CREATE INDEX "auth_permission_content_type_id_2f476e4b" ON "auth_permission" ("content_type_	
> auth_permission_content_type_id_code...	CREATE UNIQUE INDEX "auth_permission_content_type_id_codename_01ab375a_uniq" ON "auth_pe	
> auth_user_groups_group_id_97559544	CREATE INDEX "auth_user_groups_group_id_97559544" ON "auth_user_groups" ("group_id")	
> auth_user_groups_user_id_6a12ed8b	CREATE INDEX "auth_user_groups_user_id_6a12ed8b" ON "auth_user_groups" ("user_id")	
> auth_user_groups_user_id_group_id_9...	CREATE UNIQUE INDEX "auth_user_groups_user_id_group_id_94350c0c_uniq" ON "auth_user_group	
> auth_user_user_permissions_permissi...	CREATE INDEX "auth_user_user_permissions_permission_id_1fbb5f2c" ON "auth_user_user_permiss	
> auth_user_user_permissions_user_id_...	CREATE INDEX "auth_user_user_permissions_user_id_a95ead1b" ON "auth_user_user_permissions"	
> auth_user_user_permissions_user_id_...	CREATE UNIQUE INDEX "auth_user_user_permissions_user_id_permission_id_14a6b632_uniq" ON "i	
> django_admin_log_content_type_id_c4...	CREATE INDEX "django_admin_log_content_type_id_c4bce8eb" ON "django_admin_log" ("content_ty	
> django_admin_log_user_id_c564eba6	CREATE INDEX "django_admin_log_user_id_c564eba6" ON "django_admin_log" ("user_id")	
> django_content_type_app_label_model...	CREATE UNIQUE INDEX "django_content_type_app_label_model_76bd3d3b_uniq" ON "django_conte	
> django_session_expire_date_a5c62663	CREATE INDEX "django_session_expire_date_a5c62663" ON "django_session" ("expire_date")	
> reservations_reservation user id 6ed5...	CREATE INDEX "reservations_reservation user id 6ed5b1c9" ON "reservations_reservation" ("user	


Version Control System










Github

 **UAO-RES-SYSTEM** Private Watch

espiritu 13 Branches 0 Tags Add file <> Code

This branch is 6 commits ahead of, 3 commits behind `main`. Contribute

 **XUBRETT** merged conflict 273ab01 · yesterday 6 Commits

 accounts	merged conflict	yesterday
 admin_portal	merged conflict	yesterday
 config	merged conflict	yesterday
 media/profile_pics	profile and dashboard added	2 days ago
 reservations	merged conflict	yesterday
 superuser_portal	merged conflict	yesterday
 user_portal	merged conflict	yesterday
 db.sqlite3	merged conflict	yesterday
 manage.py	admin page part 1	4 days ago

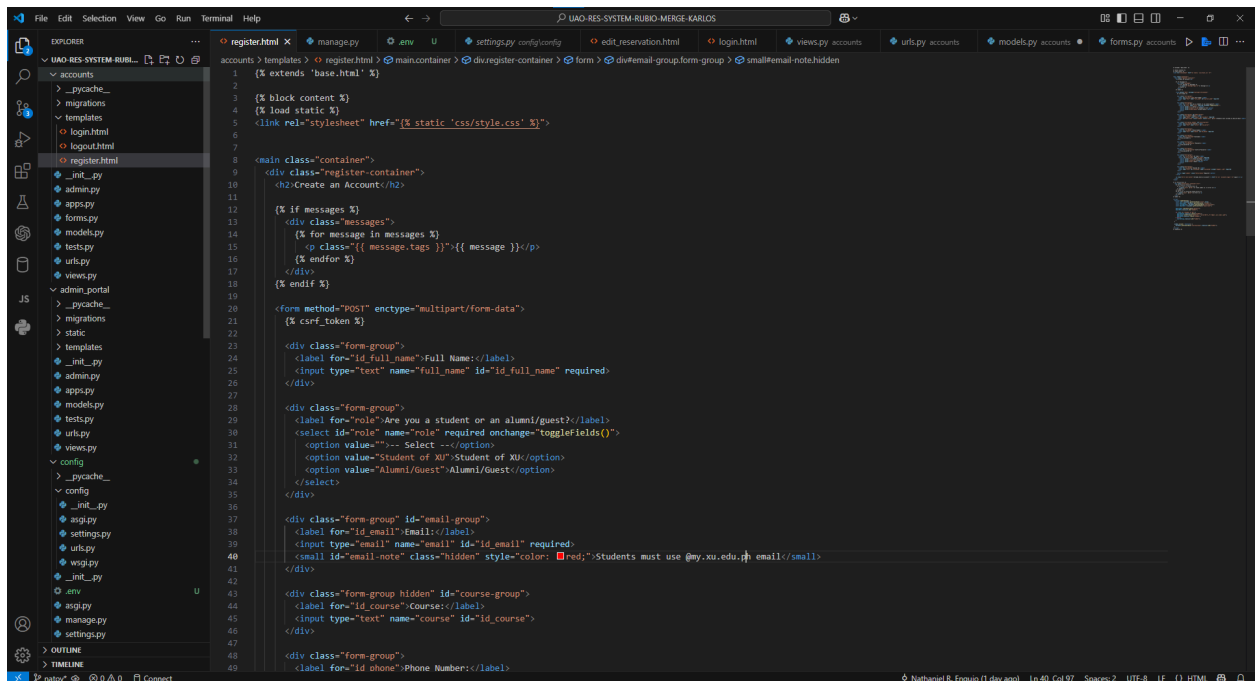
- Configure necessary software and tools for development, testing, and deployment.

Development tools

Pip lists

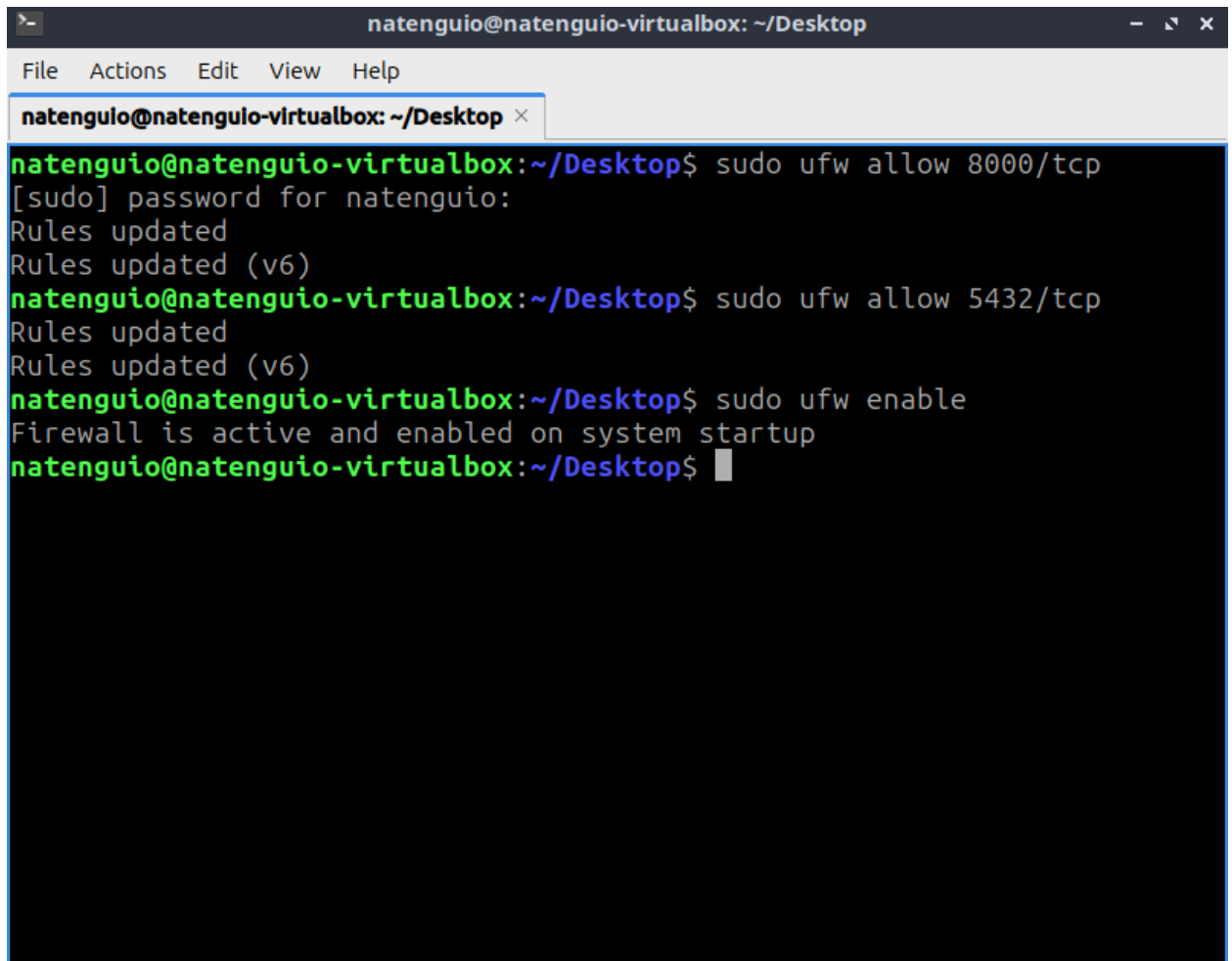
```
PS D:\UAO-RES-SYSTEM-RUBIO-MERGE-KARLOS> pip list
Package                Version
-----
asgiref                 3.8.1
Django                  5.1.6
django-clear-cache      0.3
django-enviro           0.12.0
django-widget-tweaks    1.5.0
pillow                  11.2.1
pip                     25.0.1
psycopg2-binary         2.9.10
sqlparse                0.5.3
tzdata                  2025.1
PS D:\UAO-RES-SYSTEM-RUBIO-MERGE-KARLOS>
```

Visual Studio Code (VS Code)



- Establish security measures such as firewalls, encryption, and access controls.

Firewall Configuration

A terminal window titled 'natenguio@natenguio-virtualbox: ~/Desktop' with a menu bar (File, Actions, Edit, View, Help) and a tab labeled 'natenguio@natenguio-virtualbox: ~/Desktop'. The terminal shows the following commands and output:

```
natenguio@natenguio-virtualbox:~/Desktop$ sudo ufw allow 8000/tcp
[sudo] password for natenguio:
Rules updated
Rules updated (v6)
natenguio@natenguio-virtualbox:~/Desktop$ sudo ufw allow 5432/tcp
Rules updated
Rules updated (v6)
natenguio@natenguio-virtualbox:~/Desktop$ sudo ufw enable
Firewall is active and enabled on system startup
natenguio@natenguio-virtualbox:~/Desktop$
```

Access Control

Purpose: Ensure that only authorized users can access or modify certain parts of the application.

```
@login_required
@group_required('User')
```