

'''

Experiment 09 : Creating web application using Django web framework to demonstrate functionality of user login and registration (also validating user detail using regular expression).

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'''

''''

Django settings for profiler project.

Generated by 'django-admin startproject' using Django 4.0.2.

For more information on this file, see

<https://docs.djangoproject.com/en/4.0/topics/settings/>

For the full list of settings and their values, see

<https://docs.djangoproject.com/en/4.0/ref/settings/>

''''

```
import os

from pathlib import Path

from django.contrib.messages import constants as messages

MESSAGE_TAGS = {

    messages.DEBUG: 'alert-secondary',

    messages.INFO: 'alert-info',

    messages.SUCCESS: 'alert-success',

    messages.WARNING: 'alert-warning',

    messages.ERROR: 'alert-danger',

}
```

Build paths inside the project like this: BASE_DIR / 'subdir'.

```
BASE_DIR = Path(__file__).resolve().parent.parent
```

```
# Quick-start development settings - unsuitable for production
```

```
# See https://docs.djangoproject.com/en/4.0/howto/deployment/checklist/
```

```
# SECURITY WARNING: keep the secret key used in production secret!
```

```
SECRET_KEY = 'django-insecure-f6+)so+==cs&gs^6rgmoqu($x^ywj@7a5*50wgw4*&c7bf6*e^'
```

```
# SECURITY WARNING: don't run with debug turned on in production!
```

```
DEBUG = True
```

```
ALLOWED_HOSTS = []
```

```
# Application definition
```

```
INSTALLED_APPS = [
```

```
    'student.apps.StudentConfig',
```

```
    'django.contrib.admin',
```

```
    'django.contrib.auth',
```

```
    'django.contrib.contenttypes',
```

```
    'django.contrib.sessions',
```

```
    'django.contrib.messages',
```

```
    'django.contrib.staticfiles',
```

```
]
```

```
MIDDLEWARE = [
```

```
    'django.middleware.security.SecurityMiddleware',
```

```
    'django.contrib.sessions.middleware.SessionMiddleware',
```

```
    'django.middleware.common.CommonMiddleware',
```

```
'django.middleware.csrf.CsrfViewMiddleware',
'django.contrib.auth.middleware.AuthenticationMiddleware',
'django.contrib.messages.middleware.MessageMiddleware',
'django.middleware.clickjacking.XFrameOptionsMiddleware',
]
```

```
ROOT_URLCONF = 'profiler.urls'
```

```
TEMPLATES = [
    {
        'BACKEND': 'django.template.backends.django.DjangoTemplates',
        'DIRS': [os.path.join(BASE_DIR, 'templates')],
        'APP_DIRS': True,
        'OPTIONS': {
            'context_processors': [
                'django.template.context_processors.debug',
                'django.template.context_processors.request',
                'django.contrib.auth.context_processors.auth',
                'django.contrib.messages.context_processors.messages',
            ],
        },
    ],
]
```

```
WSGI_APPLICATION = 'profiler.wsgi.application'
```

```
# Database
```

```
# https://docs.djangoproject.com/en/4.0/ref/settings/#databases
```

```
DATABASES = {
```

```
'default': {  
    'ENGINE': 'django.db.backends.postgresql',  
    'NAME': 'postgres',  
    'USER': 'postgres',  
    'PASSWORD': 'aiktc',  
    'HOST': 'localhost',  
}  
  
}
```

Password validation

<https://docs.djangoproject.com/en/4.0/ref/settings/#auth-password-validators>

```
AUTH_PASSWORD_VALIDATORS = [  
    {  
        'NAME': 'django.contrib.auth.password_validation.UserAttributeSimilarityValidator',  
    },  
    {  
        'NAME': 'django.contrib.auth.password_validation.MinimumLengthValidator',  
    },  
    {  
        'NAME': 'django.contrib.auth.password_validation.CommonPasswordValidator',  
    },  
    {  
        'NAME': 'django.contrib.auth.password_validation.NumericPasswordValidator',  
    },  
]
```

Internationalization

```
# https://docs.djangoproject.com/en/4.0/topics/i18n/
```

```
LANGUAGE_CODE = 'en-us'
```

```
TIME_ZONE = 'UTC'
```

```
USE_I18N = True
```

```
USE_TZ = True
```

```
LOGIN_URL='login'
```

```
LOGIN_REDIRECT_URL=""
```

```
# Static files (CSS, JavaScript, Images)
```

```
# https://docs.djangoproject.com/en/4.0/howto/static-files/
```

```
STATIC_URL = 'static/'
```

```
STATICFILES_DIRS = [
```

```
    os.path.join(BASE_DIR, 'static')
```

```
]
```

```
STATIC_ROOT = os.path.join(BASE_DIR, 'assets')
```

```
MEDIA_URL='images/'
```

```
MEDIA_ROOT= os.path.join(BASE_DIR, 'static/images')
```

```
# Default primary key field type
```

```
# https://docs.djangoproject.com/en/4.0/ref/settings/#default-auto-field
```

```
DEFAULT_AUTO_FIELD = 'django.db.models.BigAutoField'
```