

```
# settings.py
EMAIL_BACKEND = 'django.core.mail.backends.smtp.EmailBackend'
EMAIL_HOST = 'smtp.your_email_provider.com'
EMAIL_PORT = 587
EMAIL_USE_TLS = True
EMAIL_HOST_USER = 'your-email@example.com'
EMAIL_HOST_PASSWORD = 'your-email-password'

# Alternatively, for development/testing, use:
# EMAIL_BACKEND = 'django.core.mail.backends.console.EmailBackend'
```

Using console.EmailBackend is useful during development as it prints the email to the console instead of sending it.

3. URL Patterns for Password Reset

Django provides built-in views to handle password reset. In your urls.py, include the following:

```
# urls.py
from django.contrib.auth import views as auth_views
from django.urls import path

urlpatterns = [
    # Password reset URLs
    path('password_reset/', auth_views.PasswordResetView.as_view(), name='password_reset'),
    path('password_reset/done/', auth_views.PasswordResetDoneView.as_view(), name='password_reset_done'),
    path('reset/<uidb64>/<token>/', auth_views.PasswordResetConfirmView.as_view(), name='password_reset_confirm'),
    path('reset/done/', auth_views.PasswordResetCompleteView.as_view(), name='password_reset_complete'),
]
```

4. Adding Templates for Password Reset

You need templates for rendering the password reset forms and emails. Django looks for these templates in your templates directory:

- 1. password_reset_form.html For users to enter their email.
- 2. password_reset_done.html Confirmation page after a reset email is sent.
- 3. password_reset_confirm.html For entering the new password.
- 4. password_reset_complete.html Confirmation page after the password is successfully reset.
- 5. password_reset_email.html Email template with the reset link.

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Example Template Files

templates/registration/password_reset_form.html:

```
{% block content %}
<h2>Reset your password</h2>
<form method="post">
    {% csrf_token %} {{ form.as_p }}
    <button type="submit">Reset Password</button>
</form>
{% endblock %}
```

templates/registration/password_reset_done.html;

```
{% block content %}
An email has been sent with instructions to reset your password.
{% endblock %}
```

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templates/registration/password_reset_confirm.html;

```
{% block content %}
<h2>Enter new password</h2>
<form method="post">
    {% csrf_token %} {{ form.as_p }}
    <button type="submit">Change Password</button>
</form>
{% endblock %}
```

templates/registration/password_reset_complete.html:

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templates/registration/password_reset_email.html:

5. Customizing the Password Reset View

You can customize the password reset views by overriding the default class-based views provided by Django. For example:

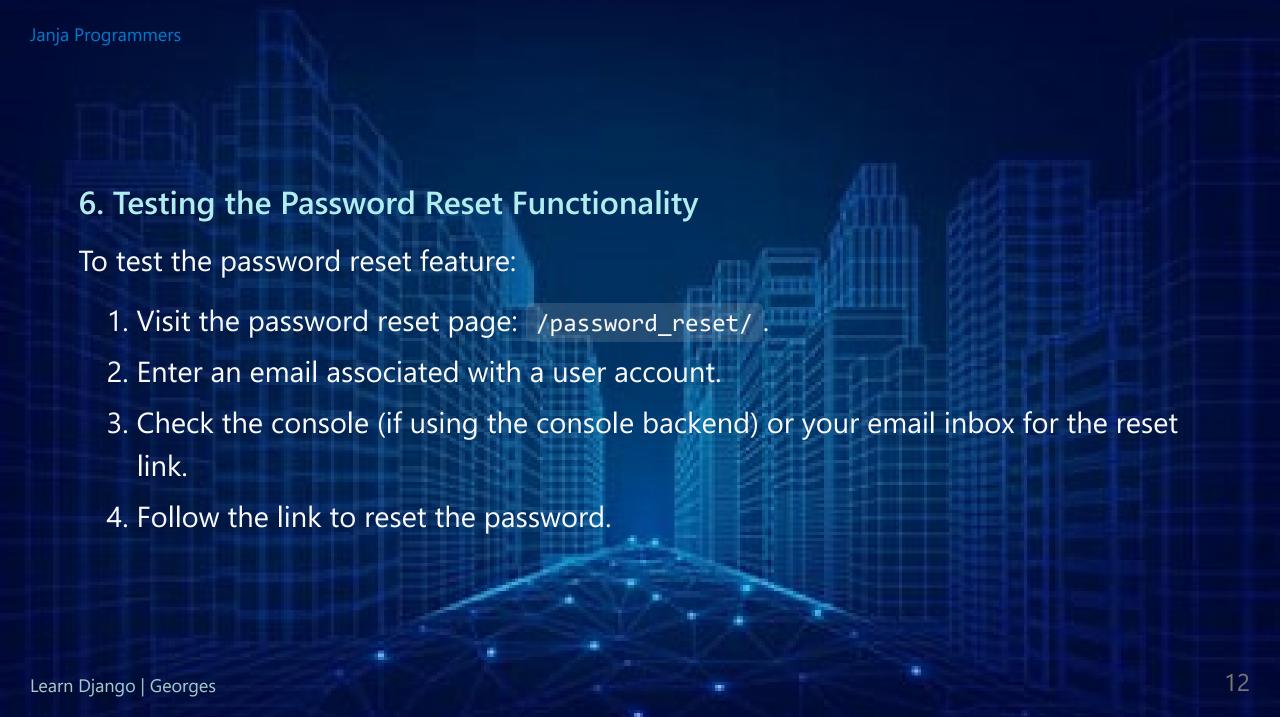
```
# views.py
from django.contrib.auth.views import PasswordResetView
from django.urls import reverse_lazy

class CustomPasswordResetView(PasswordResetView):
    template_name = 'registration/password_reset_form.html'
    success_url = reverse_lazy('password_reset_done')
    email_template_name = 'registration/password_reset_email.html'
```

Then, update the URL configuration to use your custom view:

```
# urls.py
path('password_reset/', CustomPasswordResetView.as_view(), name='password_reset'),
```

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- 7. Advanced Customizations (Optional)
 - Customizing the Email Subject: You can customize the subject line by overriding the subject_template_name:

```
class CustomPasswordResetView(PasswordResetView):
    subject_template_name = 'registration/password_reset_subject.txt'
```

 Customizing the Email Context: You can modify the context used in the email by overriding the get_context_data method.

