```
1  <issue>
2      Allow delete to provide a success message through a mixin.
3      Description
4      Add a mixin to show a message on successful object deletion.
5  </issue>
```

CoT Steps

1. Create a new mixin class to handle success messages. ... ...
2. Modify the `delete_selected` action to use the success message mixin.
   2.1 Add a call to `DeletionSuccessMessageMixin` in the `delete_selected` action.
   2.2 ... ...
3. Update the `django/views/generic/edit.py` file.
   3.1 ... ...
   3.2 Use this mixin class in the `BaseDeleteView` and `DeleteView` classes to display success messages.
4. Update the `delete` method in `django/views/generic/edit.py`. ... ...
5. Ensure backward compatibility. ... ...

CoT itself contains redundant steps resulting in logical errors in the code.

Generated Code

```
1   --- a/django/contrib/admin/actions.py
2   +++ b/django/contrib/admin/actions.py
3   @@ -5,6 +5,7 @@ from django.contrib.admin.decorators import action
4    from django.contrib.admin.utils import model_ngettext
5    from django.core.exceptions import PermissionDenied
6    from django.template.response import TemplateResponse
7    from django.utils.translation import gettext as _, gettext_lazy
8   +from django.contrib.messages.api import success
9    from django.views.generic import View
10   class DeletionSuccessMessageMixin:
...      ... ...
56   class BaseDeleteView(DeletionSuccessMessageMixin, SingleObjectTemplateResponseMixin):
...      ... ...
91          success(request, message)
```