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## 5. How to import CSV using Django admin?

You have been asked to allow csv imports on the `Hero` admin. You will do this by adding a link to the `Hero` changelist page, which will take to a page with an upload form. You will write a handler for the `POST` action to create the objects from the csv.:

```
class CsvImportForm(forms.Form):
    csv_file = forms.FileField()

@admin.register(Hero)
class HeroAdmin(admin.ModelAdmin, ExportCsvMixin):
    ...
    change_list_template = "entities/heroes_changelist.html"

    def get_urls(self):
        urls = super().get_urls()
        my_urls = [
            ...
            path('import-csv/', self.import_csv),
        ]
        return my_urls + urls

    def import_csv(self, request):
        if request.method == "POST":
            csv_file = request.FILES["csv_file"]
            reader = csv.reader(csv_file)
            # Create Hero objects from passed in data
            # ...
            self.message_user(request, "Your csv file has been imported")
            return redirect("..")
        form = CsvImportForm()
        payload = {"form": form}
        return render(
            request, "admin/csv_form.html", payload
        )
```

Then you create the `entities/heroes_changelist.html` template, by overriding the `admin/change_list.html` template like this.:

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```
<a href= import C-CSV />import C-CSV</a>
<br />
{{ block.super }}
{% endblock %}
```

Shares Finally you create the `csv_form.html` like this.:

```
{% extends 'admin/base.html' %}

{% block content %}
    <div>
        <form action="." method="POST" enctype="multipart/form-data">
            {{ form.as_p }}
            {% csrf_token %}

            <button type="submit">Upload CSV</button>
        </form>
    </div>
    <br />

{% endblock %}
```

With these changes, you get a link on the **Hero** changelist page.

Home > Entities > Heroes

Your csv file has been imported

Select hero to change

Import CSV

< 2018

February 21

February 22

Action:

-----

Go

0 of 7 selected

<input type="checkbox"/>	NAME	IS IMMORTAL	CATEGORY	ORIGIN	IS VERY BENEVOLENT	CHILDREN
<input type="checkbox"/>	Apollo		God	Greece		-

FILTER

By is immortal

All

Yes

No

ADD HERO +

And the import form apge looks like this.

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Csv file:  No file chosen

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