

## **Flask Report**

### **What does this technology (library/framework/service) accomplish for you?**

Using Flask allows us to implement certain web framework features in a simple way that would have otherwise been much more complex to implement. In our specific case, we use Flask in our Python files to redirect users to different paths on the site using `redirect()` and `route()`.

### **How does this technology accomplish what it does?**

#### Route:

<https://github.com/pallets/flask/blob/03db9194d8d229d04e6a37b14bbe2499d23922d5/src/flask/scaffold.py#L370>

Flask's route function works by using a decorator to decorate a view function. The decorator function in route calls `add_url_rule` which is used for registering a rule for routing incoming requests and building URLs. The string that gets passed into route is used as the endpoint that route will send the user to when it gets called. The function that gets called beneath the `route()` call is the view function, and inside the view function is the code of whatever the server wants to happen at that particular endpoint. A mapping of endpoints to view functions is stored in `self.view_functions` so that the system knows which page to show the user upon calling route.

#### Redirect:

(No function definition is given in the Flask GitHub repository)

Returns a response that redirects the user to the target location that is passed into the `redirect` function as a string parameter. The string that gets passed into `redirect` represents the endpoint that is created by the `add_url_rule` function where the endpoint is mapped to a view function.

### **What license(s) or terms of service apply to this technology?**

#### Flask License:

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