```
from flask import Flask, request, render_template, send_file
```

• This line imports necessary modules from Flask. Flask is a web development framework for Python.

```
from rembg import remove
```

• This line imports a function called remove from the rembg module. This function is used to remove backgrounds from images.

```
import tempfile
```

• This line imports the tempfile module, which is used for creating temporary files and directories.

```
app = Flask(__name__)
```

• This line creates a Flask application instance called app.

```
@app.route('/')
```

This line defines a route for the root URL ("/"). When a user visits the root URL,
 Flask will call the function immediately below this decorator.

```
def index():
    return render_template('index.html')
```

This function (index) returns the rendered HTML template named index.html.
 This template is typically the homepage of the web application.

```
@app.route('/remove_bg', methods=['POST'])
```

This line defines a route for the URL "/remove_bg" which expects POST requests.
 When a POST request is made to this URL, Flask will call the function immediately below this decorator.

```
def remove_background():
```

 This function (remove_background) is called when a POST request is made to "/remove_bg".

```
if 'image' not in request.files:
    return render_template('index.html', error='No image provided')
```

 This conditional statement checks if an image file was included in the request. If not, it returns the index template with an error message indicating that no image was provided.

```
file = request.files['image']
```

• This line retrieves the image file from the POST request data.

```
if file.filename == '':
    return render_template('index.html', error='No selected file')
```

• This conditional statement checks if a file was selected. If not, it returns the index template with an error message indicating that no file was selected.

```
image_data = file.read()
```

• This line reads the binary data of the image file.

```
try:
```

This line starts a try block for error handling.

```
result_image = remove(image_data)
```

• This line calls the remove function imported from the rembg module to remove the background from the image data.

```
temp_image = tempfile.NamedTemporaryFile(delete=False, suffix='.png')
temp_image.write(result_image)
temp_image.close()
```

• This section creates a temporary file with a .png extension, writes the processed image data to it, and then closes the file.

```
return send_file(temp_image.name, as_attachment=True)
```

• This line returns the temporary file as a downloadable attachment to the client's browser.

```
except Exception as e:
    return render_template('index.html', error=str(e))
```

 This except block catches any exceptions that occur during the background removal process. If an exception occurs, it returns the index template with an error message containing the exception information.

```
if __name__ == '__main__':
    app.run(debug=True)
```

This block of code ensures that the Flask application only runs when the script is
executed directly, not when it's imported as a module. It runs the Flask application
in debug mode.