

## Usage Instructions

### Running the Web Application

1. **Start the Flask App:** Navigate to the project root and run:  
`python app/app.py`

The app will start in debug mode on `http://127.0.0.1:5000/`.

2. **Access the Web Interface:** Open your web browser and go to **`http://127.0.0.1:5000/`**.
3. **Using the App:**

Input a Protein Sequence: Enter a protein sequence (minimum of 3 amino acids) into the provided form. Submit for Prediction: Click the submit button to get the prediction. Results: The app will display whether the sequence is predicted to be a kinase along with the prediction probability and a message.

### Running the Notebook

`jupyter notebook notebooks/model.ipynb`

---

### Additional Notes

**Dependencies:** List all required packages in your `requirements.txt` file.

For example:

```
flask
numpy
joblib
biopython
scikit-learn
```