## **GitHub Repository for Hindi Reader**

https://github.com/lboos/Hindi-reader/Final-project

## Flask API server information

\*Note: naming my Flask file app.py caused problems with PyCharm not being able to find files in my app directory. I renamed the Flask file api.py, and run it with the following commands:

FLASK \_ APP=api

flask run

## **API and Project Documentation**

There are several options for accessing the Hindi stories through the Flask API server.

| Endpoint                        | Output  |
|---------------------------------|---|
| http://127.0.0.1:5000/stories   | List of story tuples (id, title, sample text) for each of 3 stories       |
| http://127.0.0.1:5000/storyA    | Tuple (id, title, full text) for story A                                  |
| http://127.0.0.1:5000/storyB    | Tuple (id, title, full text) for story B                                  |
| http://127.0.0.1:5000/storyC    | Tuple (id, title, full text) for story B                                  |
| http://127.0.0.1:5000/stories/A | Tuple (id, title, full text) for story A                                  |
| http://127.0.0.1:5000/stories/B | Tuple (id, title, full text) for story A                                  |
| http://127.0.0.1:5000/stories/C | Tuple (id, title, full text) for story A                                  |
| http://127.0.0.1:5000/stories/D | Error message: <b>Not a valid story option</b> "Please enter A, B, or C." |
| http://127.0.0.1:5000/          | HTML form that accepts story IDs.   |

Curl examples are shown below for story B.

(base) MacBook-Air:Hindi-reader lynette\$ curl -i -X GET 127.0.0.1:5000/stories

Server: Werkzeug/2.2.2 Python/3.10.6 Date: Wed, 14 Aug 2024 21:32:06 GMT Content-Type: application/json

Content-Length: 332 Connection: close

{"data":[{"id":"A","text":"\u0938\u0934\u0915\u0942\u0932\u0932\u0939\u0932\u093e\u0926\u0928...","title":"First Day of School"}, ("id":"B", "text":"\u092e\u0947\u0938\u0947\u0938\u0938\u0944\u0938\u0944\u0924\...", "title":"My Friends"}, ("id":"C", "text":"\u0906\u0915\u0938\u092a\u0915\u0938\u0947\u0936\u0938\u0947\u0938\u0947\u0936\u0947\u0936\u0947\u0936\u0947\u0936\u0947\u0936\u0947\u0936\u0947\u0936\u0947\u0936\u0947\u0936\u0947\u0936\u0947\u0936\u0947\u0936\u0947\u0936\u0947\u0936\u0947\u0936\u0947\u0936\u0947

(base) MacBook-Air:Hindi-reader lynette\$ curl -i -X GET 127.0.0.1:5000/storyB

Server: Werkzeug/2.2.2 Python/3.10.6 Date: Wed, 14 Aug 2024 21:32:40 GMT Content-Type: application/json

Content-Length: 2325 Connection: close

{"id":"B","text":"\u092e\u0947\u0930\u0947\u0926\u094b\u0938\u094d\u0924\n\nAuthor: Rukmini Banerji\n\nIllustrator: Raje ev Verma Banjara'\n\n\n\u092e\u0947\u0930\u0947\u092c\u0939\u0941\u0924\u0938\u093e\u0930\u0947\u0926\u0945\u0938\u 094d\u0924\u0939\u0948\u0902\u0964\n\n\u092e\u0947\u0938\u0947\u0915\u091b\u091b\u0926\u094b\u0938\u094d\u092e \u0921\u093c\u0947-\u092c\u0921\u093c\u0947 \u0939\u0948\u0992\u0964 \u0914\u0930...\n\n\u0915\u0941\u091b \u0926\u094b\u 0938\u094d\u0924\u091b\u094b\u091f\u0947\u0939\u0948\u0902\u0964\n\n\u092e\u0947\u0930\u0947\u0915\u0908\u0926\u094b\  $u0938 \\ u0940 \\ u0922 \\ u0942 \\ u0922 \\ u0932 \\ u0947 \\ u092d \\ u0940 \\ u0940 \\ u0948 \\ u0902 \\ u0964 \\ nn \\ u0934 \\ u0930... \\ u0915 \\ u0941 \\ u0940 \\ u094$ 91b \u0928\u0928\u094d\u0939\u0947-\u092e\u0941\u0928\u094d\u0928\u0947 \u092d\u0940 \u0939\u0948\u0902\u0964\n\n\u092e\u 0947\u0930\u0947\u09315\u0941\u091b\u0926\u0947\u0932\u0942\u0934\u0930\u0947\u0930\u0947\u0930\u0947\u0930\u0947\u0930\u0947\u0930\u0947\u0930\u0947\u0930\u0947\u0930\u0947\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0941\u091b\u0931\u0941\u091b\u0931\u0940\u0930\u0940\u0930\u0941\u091b\u0931\u0941\u091b\u0930\u0940\u0930\u0940\u0930\u0941\u091b\u0930\u0941\u091b\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0941\u091b\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0930\u0940\u0940\u0930\u0940\u0930\u0940\ 947\u0939\u0948\u0902\u0964\u0914\u0930\u0915\u0941\u091b\u0926\u094b\u0938\u0994d\u0924\u0924\u0938\u094b\u0924\u094b \u093f\u0928, \u092e\u0947\u0930\u093e \u0938\u092c\u0938\u0947 \u0905\u091a\u094d\u091b\u093e \u0926\u094b\u0938\u094d\u 0924 \u0915\u094c\u0928 \u0939\u0948?\n\n\n\u0915\u094c\u0928? \u0915\u094c\u0928? \u0915\u094c\u0928?\n\n\n\n\n\u092e\u0947\u0930\u0940 \u092e\u093e\u093e\u094d\u092e\u094d\u093e\u094d\u093e\u094d\u092e\u094d\u093e\u094d\u092e\u094d\u092e\u094d\u093e\u094d\u092e\u094d\u093e\u094d\u094d\u093e\u094d\ written by Rukmini Banerji,\n\n illustrated by Rajeev Verma 'Banjara', published by Pratham Books (\u00a9 Pratham Books, 2006) \n\n under a CC BY 4.0 license on StoryWeaver. Read, create and translate stories for free on www.storyweaver.org. in","title":"My Friends"}

(base) MacBook-Air:Hindi-reader lynette\$ curl -i -X GET 127.0.0.1:5000/stories/B

HTTP/1.1 200 OK

Server: Werkzeug/2.2.2 Python/3.10.6 Date: Wed, 14 Aug 2024 21:32:59 GMT Content-Type: application/json

Content-Length: 2325 Connection: close

ev verma Banjara \n\n\n\n\n\u092e\u0934\u093e\u0 0938\u094d\u0924\u091b\u091b\u094f\u091f\u0947\u0939\u0948\u0902\u0964\n\n\u092e\u0947\u0930\u0947\u0915\u0908\u0926\u094b u0938\u094d\u0924\u092c\u0942\u093c\u0947\u092d\u0940\u0939\u0948\u0902\u0964\n\n\u0931\u0930...\u0915\u09941\u0 91b \u0928\u0928\u094d\u0939\u0947-\u092e\u0941\u0928\u094d\u0928\u0947 \u092d\u094d\u0939\u0948\u0902\u0964\n\n\u092e\u 0947\u0930\u0947\u0915\u0941\u091b\u0926\u094b\u0938\u094d\u0924\u0910\u0938\u0947\u092d\u0940\u0938\u0947\u092d\u0940\u0938\u0947\u091b b \u0910\u0938\u0947 \u091c\u093f\u0928\u0915\u0947... \u092a\u0948\u0930 \u0939\u0940 \u0928\u0939\u0940\u0939\u0 948\u0902\u0964\n\n\u092e\u0947\u0930\u0947\u0915\u0941\u091b\u0926\u0938\u0938\u094d\u0924\u0909\u0921\u093c\u0924\u0 947 \u0939\u0948\u0902\u0964 \u0914\u0930 \u0915\u0941\u091b \u0926\u094b\u0938\u0924\u0924\u0948\u0930\u0924\u0948\u0930\u0944\u0948\u0930\u0924\u094b\u0939\u0936\u09 u0940\u0924\u094b\u092e\u0947\u0930\u0940\u0926\u094b\u0938\u094d\u0924\u0939\u0938\u0948\u0932\u0948\u0932\u0947\u0931 \u093f\u0928, \u092e\u0947\u0930\u0938\u0938\u0938\u0947\u0905\u091a\u091b\u0938\u093e\u0938\u094d\u 0924 \u0915\u094c\u0928 \u0939\u09487\n\n\u0926\u09487\n\n\n\u0926\u09487\n\n\n\n\u0926\u09487\n\n\n\n\u094c\u09287\u0946\u09287\n\n\n\n\n\u094c\u09287\n\n\n\n\n\u094c\u0947\u0930\u0946\u0936\u094b\u0938\u094d\u0924 (Hindi), written by Rukmini Banerji,\n\n illustrated by Rajeev Verma 'Banjara', published by Pratham Books (\u00a9 Pratham Books, 2006) \n\n under a CC BY 4.0 license on StoryWeaver. Read, create and translate stories for free on www.storyweaver.org. in","title":"My Friends"}

(base) MacBook-Air:Hindi-reader lynette\$ curl -X POST "http://127.0.0.1:5000/display" -H "Content-Type: application/json" -d '{"document":"B"}'

{"id":"B","text":"\u092e\u0947\u0930\u0947\u0926\u094b\u0938\u094d\u0924\n\nAuthor: Rukmini Banerji\n\nIllustrator: Raje 0934\u \u0921\u093c\u0947-\u092c\u0921\u093c\u0947 \u0939\u0948\u0902\u0964 \u0914\u0930...\n\n\u0915\u0941\u091b \u0926\u094b\u 0938\u094d\u0924\u091b\u094b\u091f\u0947\u0939\u0948\u0902\u0964\n\n\u092e\u0947\u0930\u0947\u0915\u0908\u0926\u094b\ u0938\u094d\u0924\u092c\u0942\u0922\u093c\u0947\u092d\u0940\u0939\u0948\u0902\u0964\n\n\u0914\u0930...\u0915\u0941\u0 91b \u0928\u0948\u0939\u0944\u0939\u0947-\u092e\u0941\u0928\u094d\u0928\u0947 \u092d\u0940 \u0939\u0948\u0902\u0964\n\n\u092e\u 0947\u0930\u0947\u0915\u0915\u0941\u091b\u0926\u094b\u0938\u094d\u0924\u0910\u0938\u0947\u092d\u0940\u0939\u0948\u0902\u091c\u093f\u093f\u092d\u0940\u093b\u0915\u0940\u091b\u092d\u0940\u093b\u093b\u094d\u093b\u094d\u093b\u0915\u091b\u091b\u093b\u093b\u094d\u093b\u091b\u093b\u093b\u091b\u093b\u091b\u093b\u093b\u094d\u093b\u091b\u093b\u093b\u094b\u093b\u093b\u094b\u093b\u 948\u0902\u0964\n\n\u0926\u0947\u0938\u0947\u0915\u0991\u091b\u0926\u0938\u0938\u094d\u0924\u0990\u09921\u093c\u0924\u0 947\u0939\u0948\u0902\u0964\u0914\u0930\u0915\u0941\u091b\u0926\u094b\u0938\u094d\u0924\u0924\u0938\u0948\u0930\u0938\u094b\u0930\u0924\u094b\u0930\u0924\u094b\u0930\u0924\u094b\u0930\u0924\u094b\u0930\u094b\u0930\u094b\u0930\u094b\u0930\u094b\u0930\u094b\u0930\u094b\u0930\u094b\u094b\u0930\u094b\u094b\u0930\u094b\u0930\u094b\u094b\u0930\u094b\u0 7 \u092d\u0940 \u0939\u0948\u0902\u0964\n\n\u0913\u0939! \u0939\u094b! \u0915\u093f\u093f\u093e\u093e\u093e\u094b\u0902 u0940 \u0924\u094b \u092e\u0947\u0930\u0940 \u0926\u094b\u0938\u094d\u0924 \u0939\u0948\u0902\u0964\n\n\u0932\u0947\u0915 \u093f\u0928, \u092e\u0947\u0930\u093e \u0938\u092c\u0938\u0947 \u0905\u091a\u094d\u091b\u093e \u0926\u094b\u0938\u094d\u 0924 \u0915\u094c\u0928 \u0939\u0948?\n\n\u0915\u094c\u0928? \u0915\u094c\u0928? \u0915\u094c\u0928?\n\n\n\n\u094c\u0927\u094c\u0928?\n\n\n\n\n\u094c\u0936\u094c\u0928?\\u094c\u0936\u094c\u0938\u094d\u0936\u094d\u0938\u094d\u0936\u094d\u0938\u094d\u0924 (Hindi), written by Rukmini Banerji,\n\n illustrated by Rajeev Verma 'Banjara', published by Pratham Books (\u00a9 Pratham Books, 2006) \n\n under a CC BY 4.0 license on StoryWeaver. Read, create and translate stories for free on www.storyweaver.org. in","title":"My Friends"}

(base) MacBook-Air:Hindi-reader lynettes