

Web-based Polygon Drawing with layers

I have created the web-based application and its features using HTML, CSS and JS upon Angular CLI framework.

How to run:

Open 'index.html' file to run the app (or "ng serve" in the terminal).

Note: no external libraries were used in the project (everything is made from scratch).

Description:

In addition to the features present in the previous project upon which the current project is based, such as loading images, adding/deleting polygons, adding/removing nodes, changing colors/width, and zooming, several new features have been added:

Layers Support:

The user has the flexibility to designate a specific layer for marking and highlighting details and elements of his choice within the loaded image.

- Add and remove layers
- Rename layers
- Export data associated with the polygons in the current layer to a JSON file
- Move objects (polygons and polylines) between layers
- Simultaneously display selected layers

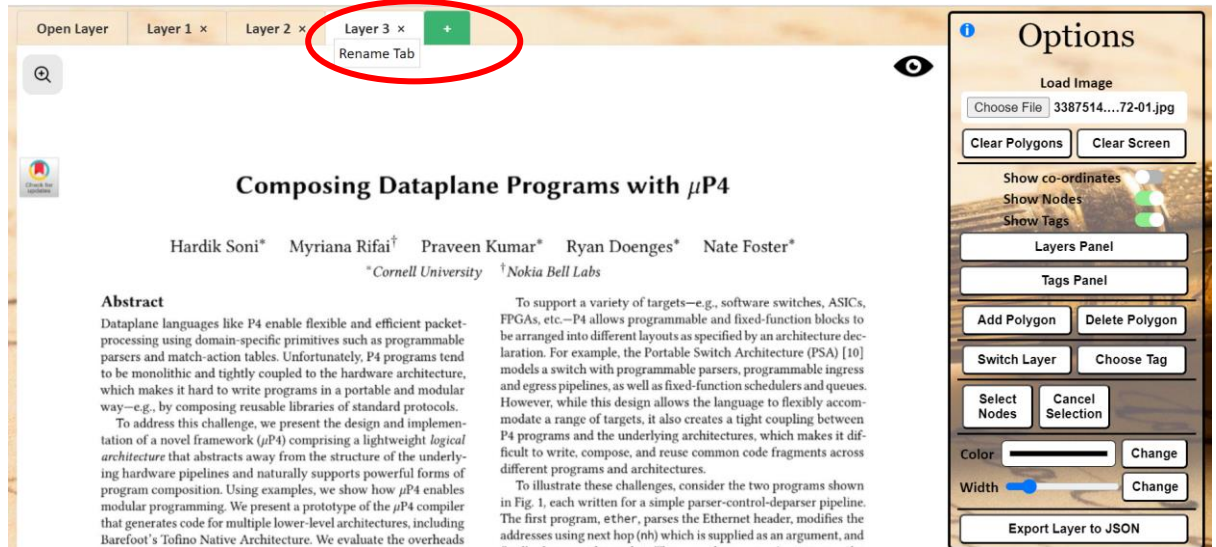
Tags Management:

The user can add and remove tags (e.g., main text, graphics, line, marginal notes).

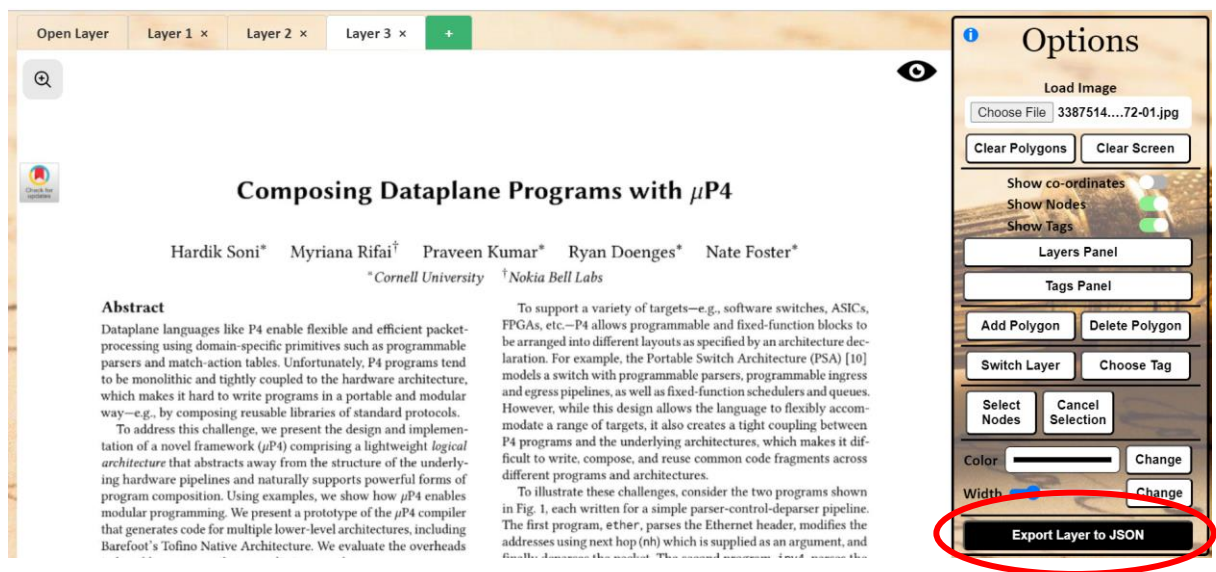
This feature enables users to mark specific areas in the image with polygons and polylines and assign corresponding tags from the predefined list.

Main Features:

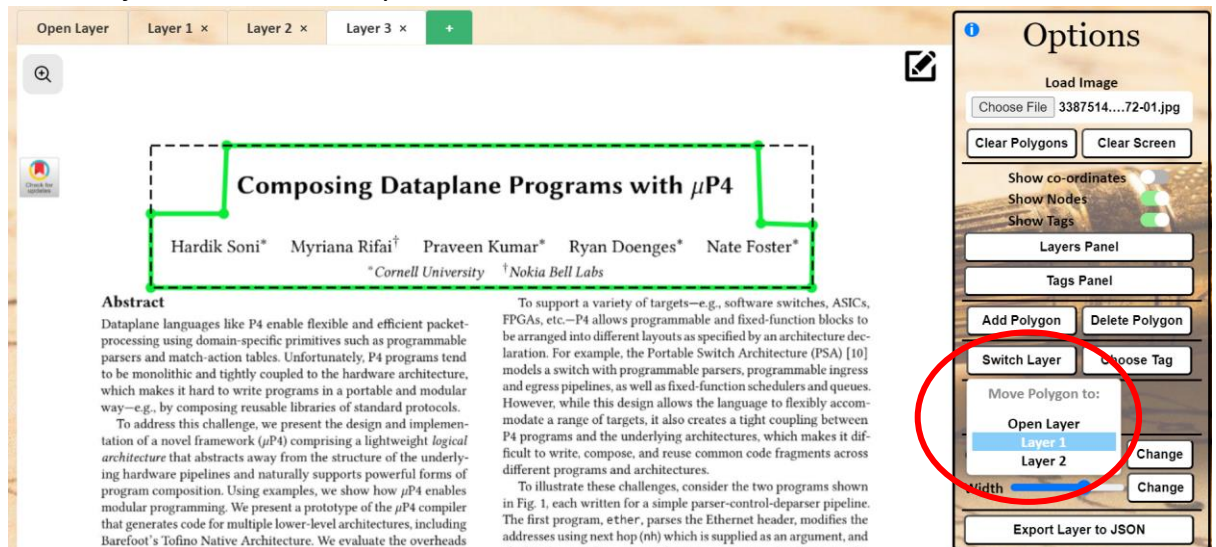
1. Right-click on the layer's tab to rename it:



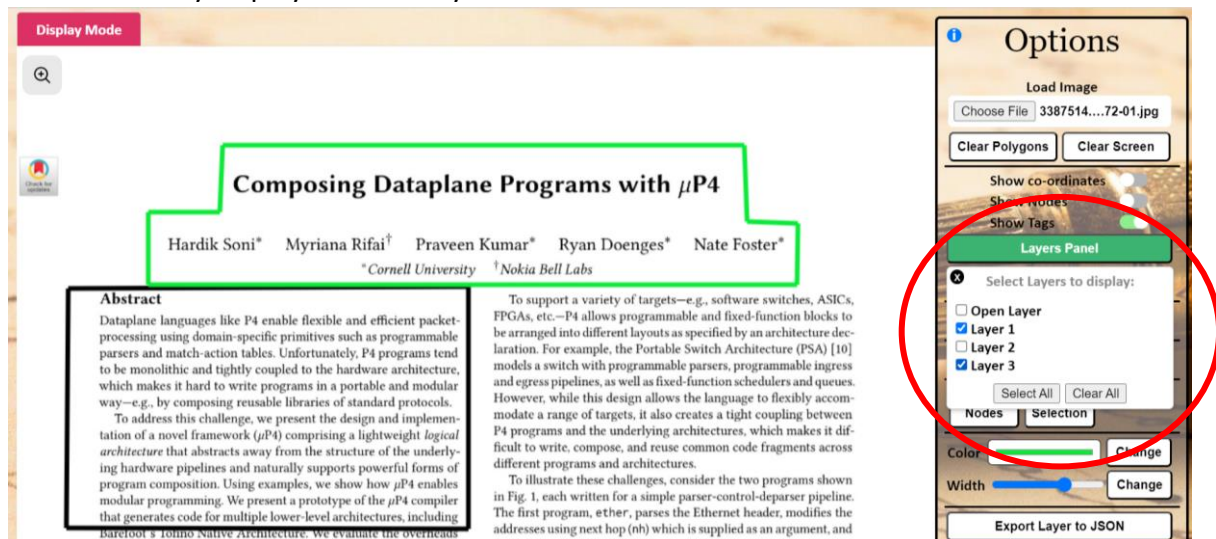
2. Create an output JSON file containing all polygons data from the current layer:



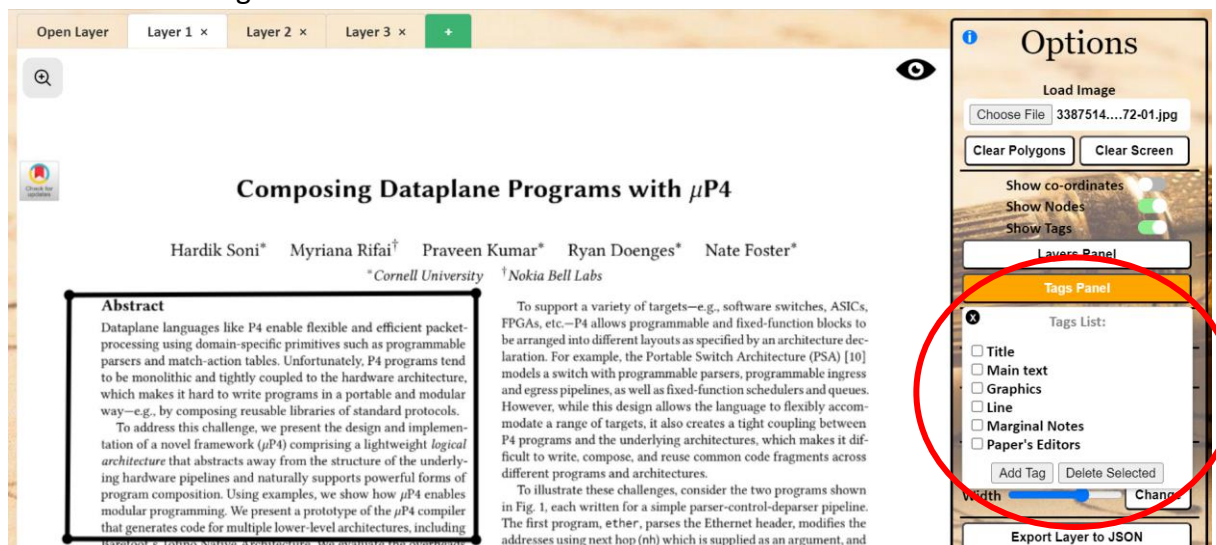
3. Move object to a different layer:



4. Simultaneously display selected layers:



5. Add or remove tags:



6. Choose a tag for an object from the list:

