

# GitUI: A Community-Based Platform to Democratize User Interfaces

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## Motivation



UI customization can improve usability and user experience.

However, it often requires significant effort and technical skills, beyond the reach of most users.

## A Community-Based Approach to Customization

### Concept

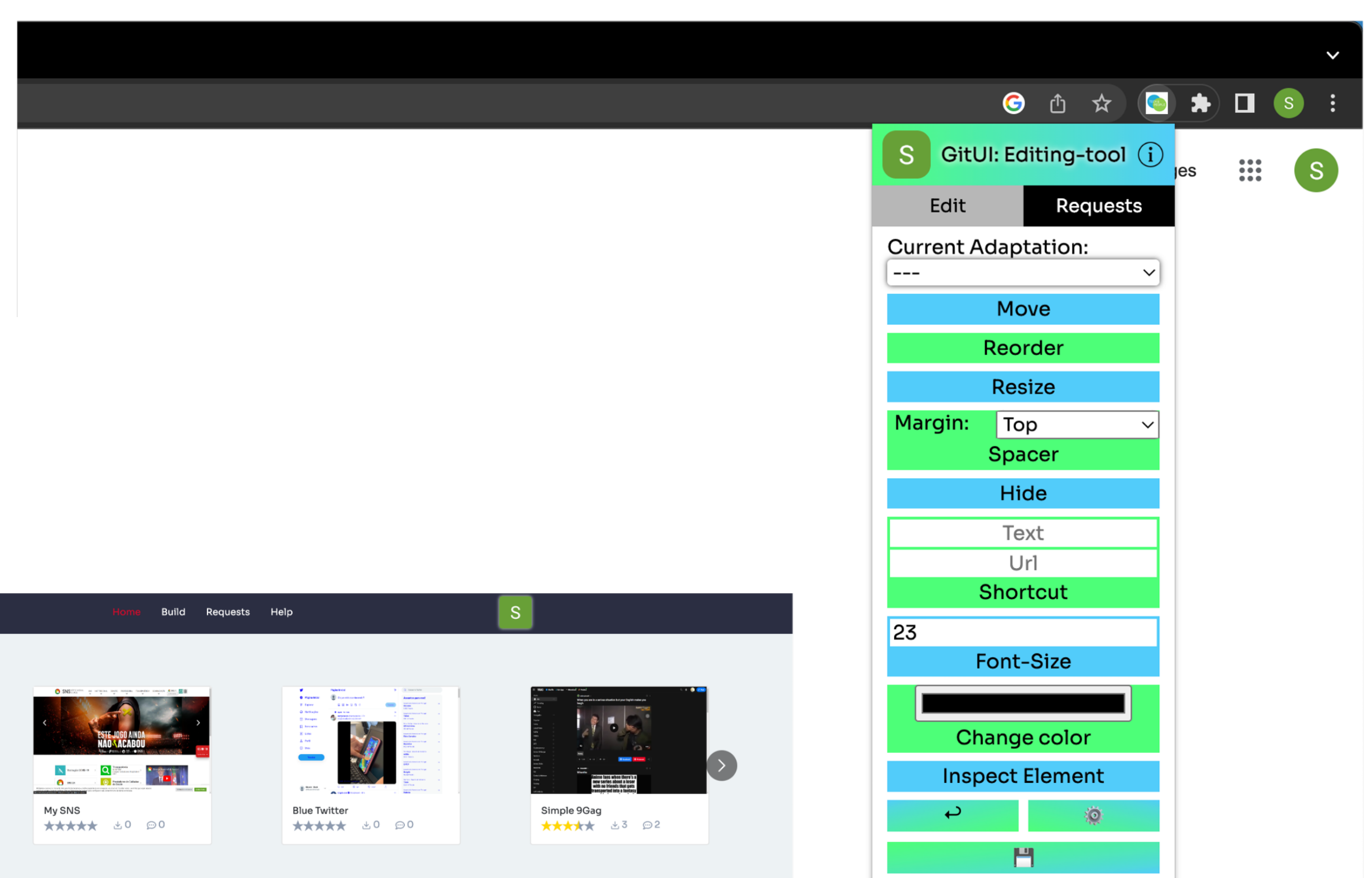
The community collaborates to create customized UIs.

- People can customize themselves, ask for assistance, or search for publicly available customization templates.
- Templates are built atop existing ones.

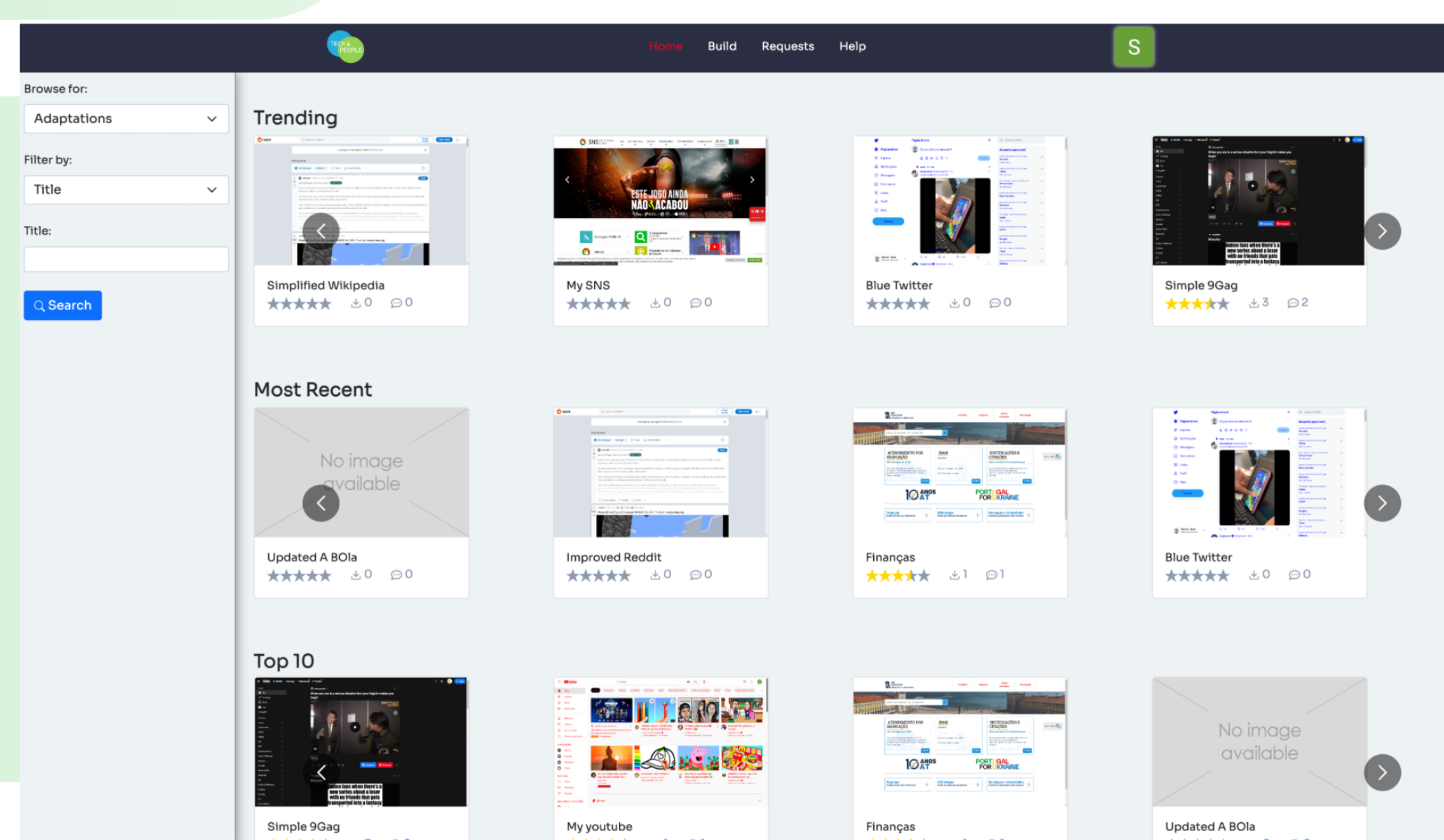
### Prototype

GitUI allows website customization. Users can:

- Create, share, and apply templates on any website.
- Create and reply to assistance requests.



a) Customization toolkit



b) Customization repository

## Preliminary Study

### Procedure

- Two-phase study with 9 participants: people customized for the self and others (two weeks) and explored the Web repository.

### Results

- People enjoy customizing for others — motivated by the challenge it represents and the positive feeling of helping others.
- The *shortcut*, *move*, and *change color* operations are particularly valued.
- Future work should leverage the motivation factors (e.g., recognition and gamification) and improve the feedback and communication between users.