

REALTIME PROTO

Web prototype based on existing code

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Motivation

Problem

End users often:

- code & design at the same time.
- want to quickly preview possible designs.
- avoid unnecessary code.

Significance

- focus on design aspect.
- minimize coding workload.
- reduce development time.



Approach

A Chrome Extension

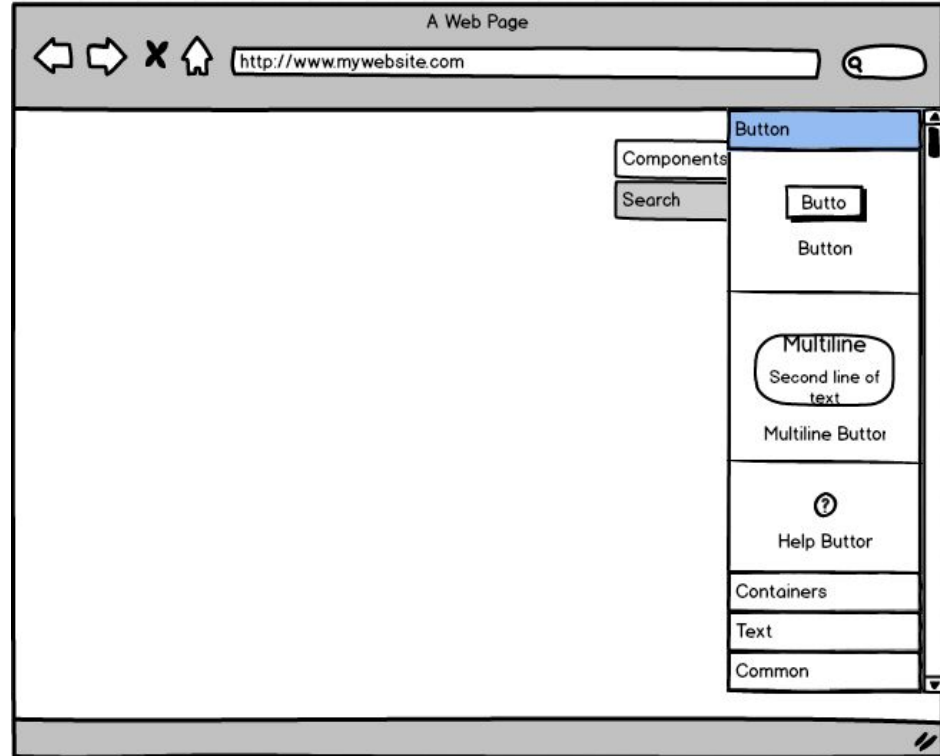
- drag components for previewing.
- style customization.

Previous Approaches

Previous Approaches	Our Advantage
bootstrap component	code free
web paint extension	higher fidelity
web prototype builder	real-time prototyping

Limitation:

purely visual, no code generation.



Challenges & Risks

Key Challenges

- how to use web page as a canvas without disabling its functionalities.
eg. hyperlink, scrollability.
- how to allow users to customize the components.
eg. size, color, font, shadow.

Risk Mitigation

- earlier stage: prioritize features
- later stage: add components on web page screenshot.