



Multi-model Inputs



Full Development Lifecycle



Repository-level Context



Fine-grained Cross-modal Reasoning



WebCompass

AI WEBCODING BENCHMARK



15 Generation Domains



16 Editing Operations



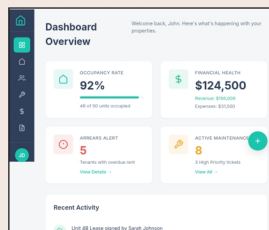
11 Repair Defect Types



Text-Guided Generation

Text Description

Web page content: Global Navigation:
Branding Area: "EstateFlow" logo ...
Web page interaction: Hover
Effects: Navigational items should
highlight on hover, table rows ...
Web page visual description: Design
Style: Clean Corporate / Modern SaaS



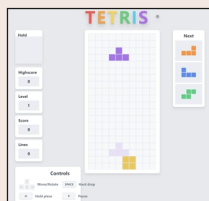
Generated Webpage



Image-Guided Generation



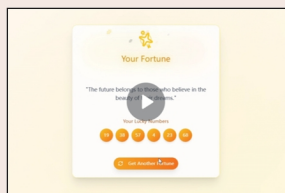
Webpage Screenshots



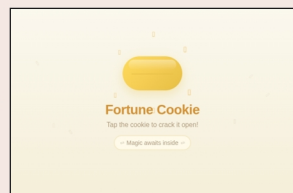
Generated Webpage



Video-Guided Generation



Webpage Video



Generated Webpage



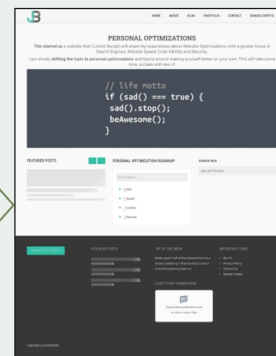
Text-Guided Editing

Source Code

```
<html><head><style>
  body {
    background-color: #0d0d15;
    font-family: sans-serif;
    display: flex; ...
```

Text Description

Request: Create a 'Case Study
Submission' widget for the Contact
or Portfolio section, allowing users
to upload screenshots of their ...

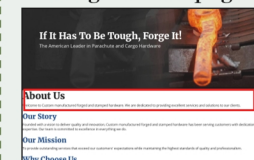


Edited Webpage



Vision-Guided Editing

Original Webpage



Edited Webpage

Text Description

Request: Add a "Product Status
Dashboard" to the highlighted
section of the webpage, and
include ...



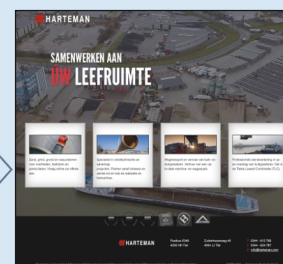
Diagnostic Repair

Source Code

```
<html><head><style>
  body {
    background-color: #0015fa;
    font-family: sans-serif;
    display: flex; ...
```

Text Description

Request: Distort the header
slogan image on the contact page
by forcing it into extremely wide
and short dimensions ...

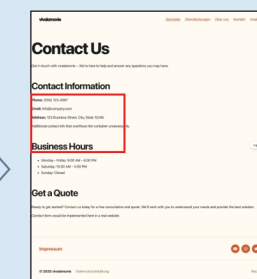
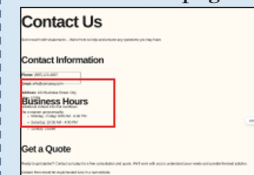


Repaired Webpage



Visual-Diagnostic Repair

Broken Webpage



Repaired Webpage

Text Description

Request: There is text
overlapping in the highlighted
section of the image. Please
modify that part based ...