

# Accessibility Checker for Markdown

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# Accessibility in MD publication

```
# My TODO List  
Hello World
```

```
<h1>My TODO List</h1>  
<p>Hello World</p>
```

- High Adaptability in code repository, i.e., README.md and used in many blog posts.
- Many preview or transformer tools found that supports similar functionality.

# Promise, Principles & Project Goal

- Find the accessibility issue in compile time and help people to publish the web contents with accessibility.
  - Educate and enforce the accessibility standards.
- Principles of Disability Justice
  - Recognizing Wholeness
  - Leadership of those most impacted
- Study and deliver a extensible tool that checks the accessibility of the markdown.

# Proposed Approach

- Implement the checker using `python-markdown extension API`.
- The parser loads text, applies the `preprocessors`, creates and builds an `ElementTree` object from the `block processors` and `inline processors`, renders the `ElementTree` object as Unicode text, and then then applies the `postprocessors`.
- Plan to extend the library to check the various accessibility of the contents in the markdown document.

# Project Plan(timeline)

- Week 1. Feasibility Study - Be familiar with language and library.
- Week 2. Scope down the cases to demonstrate the feature.
- Week 3. Implementation.
- Week 4. Document the development process and publish as a website.

# Deliverables

- Executable Accessibility Checker for targeted cases.
- Project Website that includes
  - Design and Deliverables
  - Results
  - Challenges Encountered
  - Potential extensibility