# WAVE API Accessibility Evaluation Tool (Web app) [Rob Eveleigh, Handout 3]

As part of a four college Web Accessibility Program in Western Massachusetts, we’ve developed a homegrown open source Web accessibility testing Web app (“Accessibility Evaluation Tool”) at Hampshire College that utilizes the WebAIM WAVE API.  The tool can help campuses evaluate and remediate accessibility of Web sites, and also provide some Web accessibility training to campus community members.

To test/use it, one currently needs to get some API credits (1st 100 credits are free) from WebAIM. One can register for a new API key on this page: <http://wave.webaim.org/api/>.

A fully functional demo of the Web app is available on the Hampshire College GitHub page: <http://hampshirecollege.github.io/a11yeval/index.html>.

You can find the GitHub repository here:  <https://github.com/hampshirecollege/a11y-eval-tool>.

Here are some Quick Notes on the Web app:

1. Cost: Detailed scans of each page currently cost ~6 cents (2 API credits) per page [API credits are purchased from WebAIM, the Web app is free].
2. Scan multiple sites at once (can scan ~100 sites in ~60 seconds).
3. Report either Summary or Summary/Detailed results.
4. Launch modals with specific information about each identified issue (this is a nice training feature).
5. Export reports in CSV, JSON, or HTML (HTML files render well in Excel).
6. Share Web app report results with site owners and have them utilize the WAVE Chrome Extension (free) which will pretty well duplicate the Web app report results.
7. WAVE Chrome Extension can then provide developers with some excellent targeted remediation help for identified issues and it includes some excellent active/“clicky” graphics to help find accessibility issues identified by the Web app.
8. The tool doesn’t currently spider/crawl a site, but we’re looking into adding that functionality.

Please chime in on the GitHub repository page if you have specific feedback to share.