



Wunderman Thompson Practical Assessment

Thank you for taking the time to submit this assessment, this project is designed as a practical assessment of your skill level, whilst there are instructions given, there is no set format or structure, as it will be up to you to design, architect and create your own project.

You are welcome to use a boilerplate or template to set up the project, but it is expected that you write the solution yourself, to the best of your ability.

We look forward to receiving your submission.

The assessment

In this assessment, we are going to build a Hacker News clone.

You will be required to write a custom site that periodically fetches the latest news items using the hacker news API.

The documentation for the API can be found here: <https://github.com/HackerNews/API>

Your application should:

- Fetch the news items periodically for top stories, new stories and best stories.
- Create and store the news item in a SQL database
- You should also fetch all the comments associated with the news item and store them in the database
- Create a view that displays the content as per the hacker news site with the associated detail page that includes the item's comments.
- MVC/ similar architecture is encouraged.
- You may use any PHP framework of your choice. Drupal 8 is preferred however use what you are most familiar with

Styling, documentation and design will award bonus points, as the core focus of the assessment will be the quality of the code.

Assessment level

Each seniority grade has different expectations in terms of this assessment, the grade you use will be dependent on the level you are applying for, i.e. If you are applying for an intermediate developer, you must complete all tasks in the Junior developer as well as the Intermediate developer section. Any items above your skill level listed below will be considered for bonus points.

Junior

- All assessment tasks above
- Intermediate / Senior tasks will be considered bonus points

Intermediate

- Incl. Junior tasks
- Testing, e.g. Unit, End-to-end, etc
- Submission via a VCS repo with all commit history
- Senior tasks will be considered bonus points

Senior

- Incl. Intermediate tasks

- Setup of continuous integration using github actions, travis ci, circle ci, gitlab ci or bitbucket pipelines
- A working dockerfile or vagrantfile to set up the development environment
- Security & load testing considerations or documentation

Bonus points

The following items will not count against your score if they are not included, however, including them could allow you additional points, feel free to add as many (or none) of these items listed below:

- Style your site to look like the hacker news site.
- Any technical design documentation and specs.
- Database design (if applicable).

Considerations

Your site should only fetch the top 500 stories and build from there, there is no need to go much further than that.

Submission

You can submit your Database and/or code via Dropbox, Wetransfer, GitHub Repo or any other online storage provider you prefer, simply add the link to the file to the end of the readme of your forked repo.