EECE 3093C – Software Engineering

Beta Testing Results

Application Name: Herald!

Developers: Randall Rosing, Milena Fernandez

Functional Quality:

1. The UI easy-to-use. However, it is very clunky (needs a lot of aesthetic improvements)
2. The UI/database is very primitive. The database should be expanded.
3. Consider adding a feature that allows users to search for the nearest store that sells the prescription-free medicine, store hours and phone number, and more information about this medicine.

Structural Quality:

1. The code structure is not completely modular. Several instances of duplicate code!
2. There is lot of scope for creating new classes/methods (This is a sign of WEAK cohesion which is not a good OOP practice).
3. Variables and methods should be at the minimum scope possible. All methods are public (results in a working piece of code but heavily violates data encapsulation).
4. Druglist.java and DrugInfo.java are poorly designed (remove redundancy and refactor!).
5. A more rigorous test plan is needed. Existing test cases are either not working or not sufficient for covering all scenarios.
6. It is possible that the developers have not entirely followed “test-first” design methodology. UI methods are poorly abstracted.
7. The documentation has no evidence of mock UI designs. It should be possible to envision the app functionality just by browsing documentation. There are no UI design mock-ups in the req/specs document.

Competitive Benchmarking and Social Impact:

1. To the reviewers’ knowledge, there are many applications that are comparable to the SympMeds. With a robust UI and additional functionality, the app has the potential to hold an average market value.
2. The app may be well-received by limited set of users in the age group of 30-45.