

| Criteria | Weight | Advanced                                  | Intermediate | Basic |
|----------|--------|-------------------------------------------|--------------|-------|
|          |        | testing procedure,<br>policy around tests |              |       |

### 3.3 Milestone 3: Sprint 3

| Criteria               | Weight | Advanced                                                                                         | Intermediate                                                                                                | Basic                                                                                                           |
|------------------------|--------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| User Feedback          | 10%    | Extensive user testing and feedback gathering                                                    | Some user testing and feedback gathering                                                                    | No user testing                                                                                                 |
| Automated Testing      | 10%    | Extensive automated testing across all code bases (code coverage > 60%)                          | Extensive automated testing in one code base / Middling testing across all code bases (code coverage > 30%) | No automated testing / low automated testing / middling testing in one code base                                |
| Feature Implementation | 20%    | Most features implemented with minimal bugs / All features implemented with non-severe bugs      | Most features implemented with non-severe bugs / All features implemented with bugs                         | No additional features from sprint 2 / some additional features with bugs / most features implemented with bugs |
| API Implementation     | 20%    | All endpoints implemented mostly bug free                                                        | All endpoints implemented with non-severe bugs                                                              | Not available for external usage / Some endpoints implements / most endpoints implemented with bugs             |
| Performance            | 5%     | No performance issues                                                                            | Minimal performance issues                                                                                  | Large performance issues                                                                                        |
| Improvement            | 5%     | Extensive evidence of integrating user and stakeholder feedback                                  | Some evidence of integrating user and stakeholder feedback                                                  | No evidence of integrating user and stakeholder feedback                                                        |
| Documentation          | 15%    | All aspects (features / API / database / testing et.c) of the project are <i>well</i> documented | Most aspects of the project are <i>well</i> documented                                                      | No aspects of the project are documented / Some aspects of the project are documented / Most                    |

| Criteria            | Weight | Advanced                                   | Intermediate                             | Basic                                        |
|---------------------|--------|--------------------------------------------|------------------------------------------|----------------------------------------------|
|                     |        |                                            |                                          | aspects of the project documented            |
| Project Methodology | 15%    | Evidence of strictly following methodology | Evidence of mostly following methodology | No or poor evidence of following methodology |

### 3.4 Milestone 4: Project Submission

| Criteria        | Category | Weight | Description                                                                                                                                                                 |
|-----------------|----------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Data            | Database | 3%     | Do you have production data? How much data is from testing?                                                                                                                 |
| Deployment      | Database | 2%     | Is your database deployed and available?                                                                                                                                    |
| Structure       | Database | 5%     | How well structured is your database? Are you following the best practices for your database type?                                                                          |
| Availability    | API      | 3%     | Is your API available for external and internal usage?                                                                                                                      |
| Architecture    | API      | 5%     | How well does your API follow an established API architecture and all of its principles?                                                                                    |
| Deployment      | API      | 2%     | Is your API deployed?                                                                                                                                                       |
| Performance     | API      | 5%     | How well does your API handle significant load? How often does it crash? How long does it take to process the first request?                                                |
| Design          | API      | 10%    | Does your API makes use of the different HTTP methods correctly? Do you have redundant endpoints? Does the organisation and heirarchy make sense to an external user?       |
| Accessibility   | App      | 5%     | Is you product accessible? Does it comply with best practice on elements such as Contrast Ratio, use of semantic HTML or ARIA?                                              |
| Aesthetics      | App      | 5%     | Does your product look good? Does it have consistent styling? Is it generic or have you made an effort on the style?                                                        |
| User Experience | App      | 5%     | How do you handle errors? How long does it take a user to use some feature? Can the user re-open a closed tab and continue where they left off or do they need to re-login? |
| Deployment      | App      | 2%     | Is you application deployed?                                                                                                                                                |
| Performance     | App      | 5%     | How long does it take to load? How responsive is the program to input?                                                                                                      |
| Features        | App      | 10%    | How well implemented are your features? Does your product do what your client and original scope intended it to?                                                            |