Process Plan

# Scrum Process

* Weekly planning
  + Here we decided who will take which functional requirements to implement.
  + Take tasks based on priority in backlog
  + Estimate the time for tasks before we take them and only take as many as we can commit to for that sprint/week.
* Sprint
  + Personal git branch for each functional requirement (task). To limit risk.
  + Postman as easy way to test APIs
  + Incrementally update design on visual paradigm project
* **No Daily Stand ups** (instead few times a week for joint programming)
* Weekly review (both code and tests, diagrams too if appropriate)
  + Small retrospective (good? bad? improvements/changes?)
  + Tasks are not complete unless code is properly tested.

# Product Backlog

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Task/Functionality | Functional Requirement | Priority | Criticality | Time/Effort Estimation |
| Research Solr for search | - | 1 | - | 2 days |
| Component Diagram | - | 2 | - | 3 days |
| First Draft (Initial) ORM Diagrams | - | 3 | - | 5 hours |
| Research SignalR for real-time message and notifications | - | 4 | - | 2 days |
| Research testing plan ideas for small scrum projects | - | 5 | - | 1 day |
| Basic Message Entity/Content | M-FR1 |  | Critical | TBE |
| Group Messages by group | M-FR3 |  | Critical | TBE |
| Group groups by module | M-FR3 |  | Critical | TBE |
| Any user can create a new group | M-FR4 |  | Critical | TBE |
| Display list of groups for given module | M-FR4 |  | Critical | TBE |
| Make group available to all users on the module the group belongs to | M-FR4 |  | Critical | TBE |
| Replying to Message in group | M-FR6 |  | Critical | TBE |
| User can edit owned message | M-FR7 |  | Critical | TBE |
| Admin can delete any message | M-FR8 |  | Critical | TBE |
| Module staff can delete any message belonging to one of their modules | M-FR8 |  | Critical | TBE |
| Deleted messages are marked as deleted in database | M-FR8 |  | Critical | TBE |
| ‘Deleted’ messages are not shown to users | M-FR8 |  | Critical | TBE |
| Basic Module Entity/Content | MR-FR1 |  | Critical | TBE |
| Admin users can create modules | MR-FR1 |  | Critical | TBE |
| Admin users can edit modules | MR-FR2 |  | Critical | TBE |
| Module has associated staff list | MR-FR1 |  | Critical | TBE |
| Module has associated student list | MR-FR3 |  | Critical | TBE |
| Module student list can be overwritten by uploaded CSV file | MR-FR3 |  | Critical | TBE |
| Restful Service from module registration – get modules by providing user and academic year | MR-FR4 |  | Critical | TBE |
| Authentication via LDAP | AA-FR1 |  | Critical | TBE |
| Authentication via server file for testing | AA-FR1 |  | Critical | TBE |
| Distinguish staff and student users by parsing return of LDAP query | AA-FR2 |  | Critical | TBE |
| Referring to other users in messages | M-FR2 |  | High | TBE |
| Students can delete an owned message if it has zero replies | M-FR8 |  | High | TBE |
| New message indicator for groups | M-FR9 |  | High | TBE |
| New message indicator for modules | M-FR9 |  | High | TBE |
| A user can register for notifications | N-FR1 |  | High | TBE |
| A user can change notification registration | N-FR1 |  | High | TBE |
| Internationalisation of web app | EIR-2 |  | High | TBE |
| Welsh language localisation | EIR-2 |  | High | TBE |
| Order messages inside a group by time created | M-FR3 |  | Medium | TBE |
| One-to-one messaging | M-FR5 |  | Medium | TBE |
| Order replies by time created | M-FR6 |  | Medium | TBE |
| Search for message by text. (Search is limited to within users’ modules) | S-FR1 |  | Medium | TBE |
| Add search filter within a specific module | S-FR2 |  | Medium | TBE |
| Add search filter within a specific group | S-FR2 |  | Medium | TBE |
| Add search filter within a specific academic year | S-FR2 |  | Medium | TBE |
| No search filter/All modules a user is associated with | S-FR2 |  | Medium | TBE |
| Search returns messages that match search text | S-FR3 |  | Medium | TBE |
| Daily Summary Notifications | N-FR2 |  | Medium | TBE |
| Mention Notifications | N-FR2 |  | Medium | TBE |
| Reply Notifications | N-FR2 |  | Medium | TBE |
| Notifications sent at set time intervals | N-FR3 |  | Medium | TBE |
| Attach emoticons to Messages | M-FR1 |  | z Low | TBE |
| Announcement in ‘main group’ upon new group creation | M-FR4 |  | z Low | TBE |
| Alert to other users when message is edited | M-FR7 |  | z Low | TBE |
| If search returns message of type reply the message should be expandable to show all messages in the chain of communication (both previous and future replies) | S-FR3 |  | Z Low | TBE |