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| **TGLS Product Backlog** | | | | |
| **ID** | **As a…** | **I desire to…** | **because…** | **Priority** |
| 1 | Administrator | manage user account profiles | privacy and the integrity of user information can be preserved | Must |
| 2 | Administrator | manage post list | I can disable access to certain posts | Must |
| 3 | Administrator | manage role | specific users can access different resources and services | Must |
| 4 | Administrator | edit closure day | I can change the date of post closing if needed | Should |
| 5 | Manager | manage category list | I can delete unused categories | Must |
| 6 | Manager | assign other users to department | Staff post management become more logical | Should |
| 7 | Manager | download all transferred data after closure date | I have the system storage freed up | Could |
| 8 | Manager | receive upload files as ZIP file | the downloading time is greatly reduced | Could |
| 9 | Coordinator | see statistical analysis | I catch the number of posts per department | Must |
| 10 | Coordinator | receive email notification for each post submission | I notice there is a new post to check | Should |
| 11 | Staff | set categories for my post | my readers can tell if my discussion is what they want | Must |
| 12 | Staff | edit self-posts and comments | I avoid reposting if I prefer to change my content | Must |
| 13 | Staff | be forcibly accepted Terms and Conditions | I know what policy applies to users | Must |
| 14 | Staff | spot post likes and dislikes | I understand my content is qualified or attached readers | Must |
| 15 | Staff | view list of top trending or latest posts | I learn about the current trends | Must |
| 16 | Staff | receive email notification for each comment in my post | I know if anyone reacts or asks me | Should |
| 17 | Staff | comment on a post after the initial closure date | I know I am commenting on an old post | Should |
| 18 | Staff | post and comment anonymously | I do not worry about standing out | Could |
| 19 | Staff | upload file to be part of a post | I can support my post thesis | Could |

Each sprint = 1 week, 4 sprints total

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| **TGLS Sprint Backlog** | | | | |
| **ID** | **Task name** | **Task owner(s)** | **Is PBI?** | **Duration (hrs)** |
| Sprint 1 | | | | |
| 1 | Requirement gathering and analyzing | Anh | No | 12 |
| 2 | Pick and study basically of the back-end programming language | Bao, Anh | No | 10 |
| 3 | Build a website with authentication | Anh | Yes | 2 |
| 4 | Draw sitemap | Nguyen, Anh | No | 1 |
| 5 | Draw flowchart | Nguyen, Anh | No | 3 |
| 6 | Layout the first sprint and explain team management in Trello | All | No | 6 |
| 7 | Setup theme and layout of site pages | Anh | No | 7 |
| 8 | Setup Terms and Conditions | Anh | 13 | 0.5 |
| Sprint 2 | | | | |
| 9 | ERD design | Anh | No | 3.5 |
| 10 | Draw screen blueprint | Anh | No | 1 |
| 11 | Setup item layout in posting page | Nguyen | No | 9 |
| 12 | Testing current website | Nguyen, Anh | No | 4 |
| 13 | Draw UC | Bao, Anh | No | 10 |
| 14 | Report writing | Anh, Nguyen | No | 6 |
| Sprint 3 | | | | |
| 15 | Setup roles and permission | Anh | Yes | 34 |
| 16 | Enable CRUD functions for staff posts and comments | Anh | 12 | 8 |
| 17 | Add like and dislike to the post | Bao | 14 | 2 |
| 18 | Filter post by category | Bao | 5, 11 | 6 |
| 19 | Add option for anonymous post and comment | Anh | 18 | 1 |
| 20 | Upload file for posts | Bao, Anh | 19 | 2 |
| 21 | Email notification for posts | Bao, Anh | 10, 16 | 6 |
| 22 | Add closure date for posts | Bao | 4, 18 | 4 |
| 23 | Enable security for the app | Anh, Bao | No | 12 |
| Sprint 4 | | | | |
| 24 | Layout list of most popular, most viewed posts, latest posts and comments | Nguyen, Anh | 15 | 10 |
| 25 | Enable download data after closure date for manager | Bao, Anh | 7 | 8 |
| 26 | Layout statistical data | Nguyen, Anh | 9 | 12 |
| 27 | Push files on GitHub and Google Drive | Anh | No | 2 |
| 28 | Final test cycle | Nguyen | No | 6 |
| 29 | Debug and set responsive website | Anh, Nguyen | No | 15 |
| 30 | Final demo | All | No | 10 |
| 31 | Report writing (continue) | All | No | 20 |