Def1. Topic: A single unit, course, subject that is created by a content creator

Def2. Resources: Describe a content that can contain texts, images and videos.

Req1. User shall be able to create learning space.

Req2. System shall display participant, course and content creator number of the learning space.

Req3. User shall be able to add topics to learning space.

Req4. User shall be able to edit topic contents.

Req5. User shall be able to modify other users' roles in learning space.

Req6. User shall be able to see roadmap in the learning space.

Req7. Users shall be able to add prerequisites and estimated time to the topics.

Req8. System shall update the roadmap when a new topic that has relation is added.

Req9. System shall show the estimated time, prerequisites of the topics.

Req10. User shall be able to add notes which are not visible to other users in the topic page.

Req11. User shall be able to add resources to the topic page.

Req12. Users shall be able to add resources to other users' resources.

Req13. Users shall be able to up vote or down vote other users resources.

Req14. System shall display up votes, down votes and resource numbers for each resource and to all users.

Req15. Users shall be able to give badges to the other users.

Req16. Users shall be able to add special badges to their learning spaces.

Req17. System shall create badges.

Req18. System shall give badges to the users according to their activity (up vote, down votes, resources, followers)

Req19. Users shall be able to follow other users.

Req20. Users shall be able to enter interested subjects to the system.

Req21. Users shall be able to mute other users.

Req22. Users shall be able to kick other users from the learning space.

Req23. Users shall be able to add questionnaire to a topic.

Req24. Users shall be able to up vote or down vote other users questionnaire.

Req25. System shall have semantic search.

Req26. System shall be a web application.

Req27. System shall implement e-mail authentication.

Req28. System shall use relational database.

Req29. System shall be implemented using Django.

Req30. System shall run in container.