# User Requirements

## Functional Requirements

Feature 1. User management

URS1-01: The web application shall allow the user (Student, Teacher, and Administrator) register to the system.

URS1-02: The web application shall allow the user (Student, Teacher, and Administrator) log in to the system.

URS1-03: The web application shall allow the user (Student, Teacher, and Administrator) log out from the system.

Feature 2. Classroom Management

URS1-04: The web application shall allow the Administrator register a Class to the system.

URS1-05: The web application shall allow the Administrator add user (Student, Teacher) into Class.

URS1-06: The web application shall allow the Administrator edit user (Student, Teacher) in Class.

URS1-07: The web application shall allow the Administrator delete user (Student, Teacher) from Class.

URS1-08: The web application shall allow the Teacher see a list of students.

URS1-09: The web application shall allow the Teacher check attendance.

. Feature 3. White board for Teacher

URS1-10: The web application shall allow the Teacher write down in white board.

URS1-11: The web application shall allow the Teacher broadcast own screen to Student.

URS1-12: The web application shall allow the Teacher split own screen.

URS1-13: The web application shall allow the Student see the screen of Teacher.

Feature 4. Monitor Students.

URS1-14: The web application shall allow the Teacher see the screen of Student.

Feature 5. Collaboration Board

URS1-15: The web application shall allow the Teacher save collaboration output.

URS1-16: The web application shall allow the Student drawing or filling information to collaboration board.

URS1-17: The web application shall allow the Student send material to the teachers.

Feature 6. Grouping communication

URS1-18: The web application shall allow the user (Student, Teacher) chat in real time.

URS1-19: The web application shall allow the Teacher create an alert or warning message.

URS1-20: The web application shall allow the Teacher edit an alert or warning message.

URS1-21: The web application shall allow the Teacher delete an alert or warning message.

URS1-22: The web application shall allow the Teacher send an alert or warning message to Students

URS1-23: The web application shall allow the Teacher create a quiz interface

URS1-24: The web application shall allow the Teacher edit a quiz interface.

URS1-25: The web application shall allow the Teacher delete a quiz interface

URS1-26: The web application shall allow the Teacher send a quiz interface to Students.

URS1-27: The web application shall allow the Student receive alert or warning message from Teacher.

URS1-28: The web application shall allow the Student receive quiz interface from Teacher.

URS1-29: The web application shall allow the Student do the quiz.

URS1-30: The web application shall allow the Student submit the quiz to Teacher

Feature 7. Mind map

URS1-31: The web application shall allow the Teacher create mind map board.

URS1-32: The web application shall allow the Teacher edit mind map board.

URS1-33: The web application shall allow the Teacher delete mind map board.

URS1-34: The web application shall allow the Teacher provide mind map board to student.

URS1-35: The web application shall allow the Student receive the mind map board from Teacher.

URS1-36: The web application shall allow the Student input the idea to the mind map board.

URS1-37: The web application shall allow the Student submit the mind map board to teacher.

URS1-38: The web application shall allow the Student create collaboration mind map.

URS1-39: The web application shall allow the Student edit collaboration mind map.

URS1-40: The web application shall allow the Student delete collaboration mind map

URS1-41: The web application shall allow the Student create individually mind map.

URS1-42: The web application shall allow the Student edit individually mind map.

URS1-43: The web application shall allow the Student delete individually mind map.

Feature 8. Geographic Map

URS1-44: The web application shall allow the Teacher open the map interface.

URS1-45: The web application shall allow the Teacher provide the map interface to students.

URS1-46: The web application shall allow the Teacher allows Student to pin the map.

URS1-47: The web application shall allow the Student see the map interface from teacher.

URS1-48: The web application shall allow the Student pin the information into the map

Feature 9. Uploading/downloading study materials

URS1-49: The web application shall allow the Teacher upload learning artifacts to the server.

URS1-50: The web application shall allow the user (Student, Teacher) download learning artifacts from the server.

URS1-51: The web application shall allow the user (Student, Teacher) upload note on white board to the server.

URS1-52: The web application shall allow the user (Student, Teacher) download note from the server.

URS1-53: The web application shall allow the user (Student, Teacher) upload collaboration output to the server.

URS1-54: The web application shall allow the user (Student, Teacher) download collaboration output from the server.

Feature 10. Share learning artifact

URS1-55: The web application shall allow the user (Student, Teacher) send the material via e-mail.

URS1-56: The web application shall allow the user (Student, Teacher) share the material via Facebook timeline

**Feature 11. Note for student**

URS1-57: The web application shall allow the Student create own note.

URS1-58: The web application shall allow the Student edit own note.

URS1-59: The web application shall allow the Student delete own note.