When users search for assignment.com, users will view the home page. The homepage contains sign up and sign in options.

(Sign up)

In the Assignment Management System, Users will register themselves with first name, last name, email, phone number and password for creating an account. At the time of data entry, there will be a validity check running on the backend of the system. The password must contain minimum 8 characters and maximum 30 characters including numbers. The regex will be used to check the email address and phone number. The user must have to give unique email id for sing up.

(Sign in)

Users will sign in with their email id and password. If the entered data match with the corresponding data stored in the database, the users will be able to access the system.

(Account recovery)

If the users forget their password, they can recover their account by forgot password option. When they select the forget password option, they have to enter their email address. Then a link will be sent to their email. When they select the link, they will be redirected to a web page, where they will set their new password. Then they can log in to their account using the new password.

(Sign out)

When a user attempts to log out, if there any running process (post assignment, submit assignment) system will warn him/her to close running processes. If the user does not close the running processes, the system closes the running processes forcefully.

(Create group)

When a user creates a group, the system considers himself/herself as an instructor. The instructor must have to sign in to his/her account to create a group. Then s/he have to fill up a group name (class name/course name), section, and subject to create a group. After creating the group, the system will ask the instructor to create a code for his/her group. Students can join groups using code that is created by group instructor. A student can join many groups by using group-codes as s/he wants. Also, an instructor can create multiple groups.

(Post Assignment)

When an instructor posts an assignment, he can give the students a format that students have to follow at the time of assignment submission. An instructor has to fill assignment title, Description of assignment and submission date to post an assignment. An instructor can attach files to an assignment. When an instructor posts an assignment, a message will be sent through email to all the students. All the students can view the assignment and comment on the assignment that the instructor posts. Instructor and students can post an announcement about a specific topic and all (instructor and student) can comment on that post. The instructor can search, download and view the assignment of the individual student. An instructor can also view the submission time and date of every student. When all the students submit the assignments, all the assignments are stored in one folder. The instructor can download the folder in which all assignments of the students are stored.

(Assignment submission)

All the students can see the assignment given by the instructor. The students can submit the assignment within a time duration that is given by the instructor. If the instructor gives a format of an assignment, the students have to follow the specific format at the time of submission. Otherwise, the system will show an error message of submission. Students can cancel submission and resubmit the assignment within the deadline for submission. Students cannot submit assignment unless they cannot full fill all requirements (cannot submit 2 files of total 3). Students will not be able to submit after the deadline of submission time if the instructor not allows late submission.

(Plagiarism check)

The instructor can check plagiarism of assignments that students will submit. Plagiarism will be checked by the MOSS (for a measure of software similarity), a software to detect plagiarism. To check plagiarism using MOSS, instructor have to give the path of the folder and send to the moss server. After checking plagiarism MOSS will send the result of similarity as a link. An instructor can see the percentage of similarity of every student.

(Mark Distribution)

After the evaluation, the instructor can give marks to each assignment of the students in this system.Then instructor can publish the marks of assignments in the group and each member can view the marks if the instructor wishes.