

# Internet Applications Project – Fall 2017

- Team members can't be more than 5 students ( from the same lab)
- Each team has to choose of the announced two projects.
- The project will be discussed through your lab in the week starting 16/12.
- The project weighs 15 grades distributed over functionalities of each project and 5 grades on Javascript/Ajax assignment included in the project.
- Whenever you have questions or feel confused about any details or requirement for the project (**Don't make any assumptions**) and contact your lab TAs or meet them in office hours.

# Poll/Survey Application

## Examples (google forms, sogosurveys, surveymonkey)

Build a simple site that lets users create their own polls/surveys, share them via a URL and let them view the results through an admin panel.

### Users

1. Register for account.
2. Add poll / survey with different kind of questions (MCQ, free answer, Checkboxes).
3. After user saves the survey, it's showed on the website homepage.
4. User can suspend / close the survey (suspend it → is visible but no answers could be added / "close" is removed and its content can't be viewed).
5. The user can see statistics about the survey in numbers and charts (at least one).
6. Other users can fill survey and choose to avail their information or not to the survey creator.
7. Other users can report a poll / survey if it has (inappropriate contents).

### Administrator

1. Add other administrators.
2. Receive notification about reported posts.
3. Suspend users.
4. Send messages to all the survey platform users or to single user.
5. **Remove/suspend Polls (JavaScript/Ajax Assignment)**
  - a. Show a list of opened polls
  - b. Clicking on one them will show the admin a dialog to remove/suspend the poll.
  - c. The removed poll will disappear from the list without reloading the page.
  - d. The suspended poll will marked from the list without reloading the page.

# House Buy and Rent

## Example (AqarMap, propertyfinder)

### Users

1. Register for accounts.
2. Create and manage their profile (picture, contact address e.g. mail, phone...etc.)
3. Advertise for their houses (sell or rent) entering the house details.
  - a. Size – Space
  - b. Description (e.g. four bedrooms with two toilets and a spacious kitchen)
  - c. Floor
  - d. Status (Finished, half finished...etc.)
  - e. Type (studio, villa...etc.)
4. Add photos for the house.
5. Add the house location by means of google maps (link to the location pinned on a map).
6. Change the advertisement properties or close it.
7. Search in advertisements for specific house (rent / for sale) by (Area, space, type...etc.).
8. Rate advertiser's properties (Simple stars rating) and comments functionality.
9. Request contact information for other advertisers.
10. Create alert for houses with specific properties (size, type, status).
11. Receive internal system notifications and alerts in their dashboard or by mail
  - a. New properties that match their preferences.
  - b. New comments about their advertised properties.
12. Admin features
  - a. **Remove/Suspend advertisement (JavaScript/Ajax Assignment)**
    - i. **Show a list of all active advertisements**
    - ii. **Clicking on one them will show the admin a dialog to remove/suspend the advertisement.**
    - iii. **The removed advertisement will disappear from the list without reloading the page.**
    - iv. **The suspended advertisement will be marked from the list without reloading the page.**

## General notes

1. Users can always change their passwords.
2. Administrator can change password for user.
3. User registration / signup form may contain a captcha (e.g. google captcha) **(Bonus)**.
4. Checking if the username exist before is mandatory
  - a. No two or more-user having the same name
  - b. If the check is done with ajax (e.g. signing up for gmail) **(Bonus)**
5. Consistent CSS and formatting ***in all pages*** **(Bonus)**.
6. Validation of **all input forms in the application** from wrong inputs **(Bouns)**.
7. You can use the java mail API to send real emails to users.
8. Every user in any system need to be able to log-in and log-out.
9. Sessions needed to be managed correctly through the entire system.