

# CTIS 256

## Midterm 1 – Part 2

**Due Date :** 12 April 2020, Sunday, 23:55

**Submission:** Through Moodle (do not send me email, use [name-surname.zip](#) otherwise 5pts penalty )

**Assesment:** 50% of Midterm 1

**Policy:** Cheating is strictly prohibited. Some of the students whose grade above 40 out of 50 will be interviewed. If I am not satisfied with the answers, s/he will get 0.

**Question:** Write a Web application that implements a sticky web form. Basically, it checks if a given URL is in correct simple URL format or not using Regular Expression. **Do not forget to watch the given video file “mt1\_part2.mkv” that explains what you are supposed to do.**

### Grading ( out of 50 ):

- **(2Pts)** Top Navigation Bar
- **(3Pts)** Floating Pulse Button as a link to web form
- **(15Pts)** Web Form with a title, a url, a switch for share option and a submit button
- **(4Pts)** Validate and remember title.
- **(4Pts)** Display invalid fields with error messages
- **(10Pts)** Validate URL with Regular Expression and remember its value if the form is invalid.
  - <http://www.bilkent.edu.tr> valid
  - <https://www.sitepoint.com> valid
  - <http://www.ctis.bilkent.edu.tr> invalid (since domain has 5 words, max 4 words allowed)
  - <ftp://one.net> invalid (only http or https protocol)
  - <http://www.one-site.com> invalid (word characters are letters and digits only, no dash or underscore)
  - [http://www.one\\_site.com](http://www.one_site.com) invalid ( underscore is not valid word character in domain)
  - <http://www.one.net/path> invalid (no path or filename or / allowed)
  - <http://www.one.net/> invalid (it cannot end with forward slash)
- **(2Pts)** Remember switch's state.
- **(2Pts)** Display title and whole url.
- **(4Pts)** Display protocol and domain name
- **(2Pts)** Show switch state by check or clear icons.
- **(2Pts)** Display a toast message “New Bookmark Added”. (**Do not forget to import [materialize.min.js](#) in addition to [materialize.min.css](#)** )