**COURSEWORK DEADLINE : *18/04/2022***

**System introduction:** A secure web-based role-based system to collect ideas for improvement from staff in large university

**System specification**

1. **Quality Assurance Manager**
   * See the lists of Most Popular Ideas (+1 for Thumbs Up, -1 for Thumbs Down), Most Viewed Ideas, Latest Ideas and Latest Comments
   * Add additional categories, delete unused categories
   * View statistics by dashboard such as:
     + Number of ideas per department/year
     + Numbers of contributors (staffs with idea submission) per departments
   * Download all idea data after the final closure date in CSV file
   * Download all uploaded documents in ZIP format
2. **Quality Assurance Coordinator (for each department)**
   * Receive email notifications for new submissions from staff
   * See the lists of Most Popular Ideas (+1 for Thumbs Up, -1 for Thumbs Down), Most Viewed Ideas, Latest Ideas and Latest Comments
3. **Staff (Academic and support)**
   * Submit (upload) 1 or many documents (Word or PDF) until the first closure date

Note: 1 idea can be represented by 1 or many documents. Idea must be categorized from the list => add *category list* in table *idea*

* + Must agree to Terms and Conditions before they can submit documents  
    Note: Terms and Conditions can be shown by a popup dialog => add the checkbox for agreement
  + Can see all submitted ideas (not only their own ideas)
  + Can read comment for any other ideas
  + Can give comment for any other ideas until the final closure date
  + Can give Thumbs Up (Like) or Thumbs Down (Dislike) for any idea, but only 1 time for each idea
  + Receive email notification when their ideas got new comment
  + See the lists of Most Popular Ideas (+1 for Thumbs Up, -1 for Thumbs Down), Most Viewed Ideas, Latest Ideas and Latest Comments

1. **Admin**
   * Create new accounts (QA manager, QA coordinator, staff)
   * Set & edit first closure date & final closure date  
     Note: You can set a fixed duration between these 2 dates such as 2 weeks
   * Maintain system data: first closure date & final closure date for each academic year, staff details,…
   * See the lists of Most Popular Ideas (+1 for Thumbs Up, -1 for Thumbs Down), Most Viewed Ideas, Latest Ideas and Latest Comments

**IMPORTANT:**

* Ideas and comments can be posted anonymously : staff still need to login but the author’s details will be only stored in the database for future investigation and won’t display in front-end for privacy
* List of ideas must be paginated (5 ideas/page)
* Website interface (UI) must be responsive => suitable with all devices (desktop, tablet, smart phone)

**Plagiarism (similarity)**

* Individual report must be different for each student
* Plagiarism level will be checked automatically by TurnItIn system
* If your plagiarism level is too high, your submission may be rejected

**Screencast**

* Introduce about system features
* Main aim: used for product marketing
* Slides are optional, but recommended
* No limitation in duration, but it should be not too short or too long
* 1 member or all member can make presentation
* Presentation language: English
* Video must be uploaded to a video hosting (ex: YouTube)
* Screencast URL must be included in group report

**Repository**

* What to be included ?
  + Source codes (including database)
* Upload to a public repository (ex: GitHub)
* Repository URL must be included in group report

**Web system**

* Must be published to a host (Ex: Heroku)
* Web URL must be included in group report
* Demo account for each role must be included in report

Ex: Admin account (admin – 123456)

**1. Individual pdf report**

- For each evaluation parts, write at least 500 words

- **Evaluation of product** – 500 words: Besides functionalities, you can evaluate other aspects: Security, performances, interface, testing,...

- **Evaluation of process** -500: How Scrum is applied in your team, how your team work with Product Backlog/Sprint backlog/, burn down chart, daily meeting. Any Advantages, disadvantages? Do you have any obstacles, how can you overcome the problems.

**- Evaluation of Your self**- 300->500: Identify different criteria (e.g team work, leadership, management skill, technical skill, … think of your own)

- **Evaluation of each team member**- 500->700: Beside the table, Need to evaluate each individual members(at least 100 words for each person)

-**Lesson learns**: More on ***practical*** lessons

**2. zip file (Group folder)**

- Group Report (pdf)

+ copy all artifacts in the report + some evaluation

- All related files:

+ Product backlogs

+ Meeting Minutes

+ Test cases/test logs/test plan

Note about ***evaluation***: Good things/bad things/things can improve + advantages + disadvantages + problems + how you solve them….