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| **Functional requirements (base on roles )** | **Student** | **Staff** | **QA manager** | **QA coordinator** | **Administrator** |
| Manage all categories of idea ( add, edit, delete– only when unused) |  |  | X |  |  |
| Manage categories of idea for a single department  ( add, edit, delete– only when unused) |  |  | X | X |  |
| Submit one or more ideas | X | X | X | X |  |
| Upload documents to support ideas (optional) | X | X | X | X |  |
| Agree to Terms and Conditions before submit. | X |  |  |  |  |
| Comment on any idea | X | X | X | X |  |
| Give the Thumbs Up or Thumbs Down for any idea, but only once for any idea | X | X | X | X |  |
| Once an idea is submitted the system emails a notification |  |  |  | X |  |
| The author of an idea receives an automatic email notification whenever a comment is submitted to any of their ideas by a student (but not by a member of staff) | X | X | X | X |  |
| Be able to download all the selected contributions after the final closure date in a ZIP file for transfer out of the system which mean download the selected ideas (document belong to it) and delete it from the system |  |  | X |  |  |
| Lists of Most Popular Ideas (+1 for Thumbs Up, -1 for Thumbs Down), Most Viewed Ideas, Latest Ideas and Latest Comments |  | X |  |  |  |
| Maintain any system data, e.g. closure dates for each academic year, staff details, student details. |  |  |  |  | X |

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| **Functional requirements (system performance)** |
| All idea must be devided into a category (tagged) at the point when they are submitted |
| Staff comments are only visible to other staff. Student comments are visible to both staff and students. |
| Ideas and comments can be posted anonymously, although the author’s details will be stored in the database so any inappropriate ideas can be investigated. |
| All new ideas are disabled after a closure date for new ideas, but comments can continue to be done until a final closure date which mean it will be on the list of newest idea for a period of time, after that it will be take down but commend will be allowed until the topic is closed |
| Lists of Ideas need to be paginated (5 per page) |
| Statistical analysis (e.g. number of ideas per Department) needs to be available. ***Number of ideas made* *by each Department. Percentage of ideas by each Department. Number of contributors within each Department. Idea without comment. Anonymous idea and comment*** |
| The interface must be suitable for all devices |

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| **Functional requirements ( extension and added while develop and after review)** |
| Authentication ( Login - log out , no regis because each student and stuff will be provide an account ) |
| Filter for display ideas – sort by time, like, etc… |
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