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| --- | --- | --- |
| Stakeholder Groups | Stakeholders | What is the method that you will be using together the requirement |
| Group 1 | Student, Admin staff, System admin | Interview - structured |
| Group 2 | Product developer, Product Owner | Document analysis |
| Group 3 | Data analyzer | interview |
| Group 4 | University management,  Research organization | Interview - unstructured |
| Group 5 | System security, hacker | Self-evaluation |
| Group 6 | Public | Questionnaire |

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| --- | --- | --- |
| Question | Reason | Research Question |
| Who are you?   1. Student 2. Employed 3. Self-Employed 4. other |  |  |
| What is your education status?  School  Undergraduate  MBA/MSC  other |  |  |
| Have you ever faced any difficulty  Finding academic resources?   1. Yes 2. No |  |  |
| How do you find learning resources   1. YouTube 2. Wikipedia 3. Google Search 4. other |  |  |
| Do you face any problems finding suitable references in learning activities?   1. Yes 2. No |  |  |
| What are the problems you faced when finding suitable references in learning activities?   1. References are not recommending according to the learning preference (visual, aural, read/write, and kinesthetic) 2. All the resources are not available in the same place. 3. Lack of right resource 4. Other |  |  |
| Have you heard about any automated resource recommendation system?   1. Yes 2. No |  |  |
| What do you think about a recommendation system that provides resources according to your learning preference?   1. A good idea 2. Not bad 3. Already there 4. Not needed 5. Don’t mind |  |  |
| What are your suggestions for a personalized resource recommendation system? |  |  |