

# OOAD

## Lab#2: System Requirements List

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### Interview summary

We have lots of tutors both online and offline. The problem is you do not know whether the tutor is good or bad. Therefore, we have developed this application to be the middle man, providing a pool of tutors, allowing you to get the tutor that suits you the most, choosing from the recommendation feature in the application which would find the tutor(s) that matches most to your specifications, or needs.

### Functional System requirement

Requirement	FURPS+ Category
The system allows user to adjust the preferences of the tutor <ul style="list-style-type: none"><li>User can specify the gender of the tutor</li><li>User can specify the range of the tutor's age</li></ul>	Functional
The system allows user to adjust the specifications of each tutor session <ul style="list-style-type: none"><li>User can specify the duration of each session</li><li>User can specify the location and time of each session</li></ul>	

<ul style="list-style-type: none"> <li>• User can specify the subject to be taught in the session</li> <li>• User can specify the budget the user have</li> <li>• User can specify whether the user is studying individually or comes with a group of other students</li> </ul>	
<p>The system should be able to access and display tutor's place using location service. (i.e. GPS)</p> <ul style="list-style-type: none"> <li>• The tutors can specify precise locations he wants to teach (e.g. Starbucks, department stores, universities or specific addresses)</li> <li>• The tutors can also specify the area where they teach</li> </ul>	Functional
<p>The system provides user authentication, which authenticates if the user is a real person.</p>	Functional
<p>The system can recommend similar tutors with respect to user's preferences and previous searches (similar kind of tutors or nearby tutors)</p>	Functional
<p>The system has a security non-robotic check after user do something and repeat for many times.</p>	Functional

The system has a security check with the user's phone number and the user's bank account to check and validate before the user pays for the chosen tutor.	Functional
<p>The system allows the tutor to accept or reject a request.</p> <ul style="list-style-type: none"> <li>• After the user has chosen a tutor, the system will send the request to the tutor <ul style="list-style-type: none"> <li>- If tutor has rejected, the tutor has to give the reason(s) why</li> <li>- If the tutor does not respond to the request within a certain period of time, the system automatically rejects the request.</li> </ul> </li> </ul>	Functional
<p>The system allows user to be able to cancel the request if it is necessary.</p> <ul style="list-style-type: none"> <li>• They must give the reason(s) why.</li> <li>• The user must cancel before the session begins</li> </ul>	Functional
<p>The system allows user to review the tutor after each completed session</p> <ul style="list-style-type: none"> <li>- The user can rate the tutor from 1 to 5 stars with 1 as</li> </ul>	Functional

the lowest score and 5 stars indicating the perfect score	
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## Non-Functional System requirement

The system could have a website for a PC version.	Supportability
The system must be able to handle up to 100 people per second at the same time.	Performance
If user does not interact with the system within a certain period of time, the system logs them out from the system automatically.	Performance
The application's size should not exceed to 1GB.	Performance
The system supports both visa/master card type.	Usability
The system supports both IOS/android operating system.	Platform
The system uses Firebase management system	Implementation
The system will record number of times that you have cancelled	Reliability

the tutor with no reason or with non-sense reason

- If the number of times exceed 5 times, user will be banned from the system for 1 week
- If the number of times exceed 10 times, user will be banned for 1 month
- If the number of times exceed 15 times, user will be banned permanently, and the email address of that user cannot be used in another registration again