

# Group Assignment 1 - Requirement Engineering IUP

Group Members:

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## A. Proposed Topic

For our topic we have chosen an expert system that provides diagnosis on potential illnesses in pediatrics.

## B. WRSPM Model

The following are the result of our analysis of the WRSPM model of the expert system.

Visibility	Details / Descriptions
World	<ul style="list-style-type: none"><li>• Patients are expected to be under 18 years old.</li><li>• Patients have some sort of symptoms.</li><li>• Patients have already consulted with a general doctor for the symptoms.</li></ul>
Requirement	<ul style="list-style-type: none"><li>• Systems ask for input for the various symptoms the patient has from the user.</li><li>• System gives out a result of the diagnosis of the probable illness.</li><li>• Users are able to search keywords of symptoms to put in their inputs.</li></ul>
Specification	<ul style="list-style-type: none"><li>• Users input the various symptoms using the system User Interface.</li><li>• From the given inputs, the system produces a diagnosis taken from the database of the system.</li><li>• System displays the various keywords for symptoms contained in the database on the User Interface of the system.</li></ul>
Program	<ul style="list-style-type: none"><li>• The system should contains a Database to store the various illness from the knowledgeable experts.</li><li>• The system should contains a User Interface to display.</li></ul>
Machine	<ul style="list-style-type: none"><li>• The system contains a computer with a memory, display, and interfaces.</li></ul>

Control	Details / Descriptions
e <sup>h</sup>	<ul style="list-style-type: none"><li>• Patients</li><li>• General Doctor</li></ul>
e <sup>v</sup>	<ul style="list-style-type: none"><li>• Symptoms</li><li>• Inputs</li></ul>
s <sup>v</sup>	<ul style="list-style-type: none"><li>• Diagnosis</li><li>• Keywords</li></ul>
s <sup>h</sup>	<ul style="list-style-type: none"><li>• Database</li><li>• Internal Processing</li></ul>