# Week 5—Package Diagram

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| 1 | Generate a package diagram for the SRS system. The diagram must be generated by a UML drawing tool. Copy and paste your diagram here:  **SRS Package Diagram** |
| 2 | Validate and verify your package diagrams against the SRS class diagram and the SRS Register a Student for Classes use case sequence and communication diagrams. The following diagram has 7 packages that include a various of classes that related between each other. Due to specification of the SOS system we going to review each package on it own.School Staff package  * + Has control over the Student creation, updating, and deleting the student from the system   + It also has control over the registration package to register student for the classes   + In order to retrieve a list of courses or classes it must use a request search package which control over the search request that need to be passed through. * Student Package   + Student has control over his account and class which respond to student notifications like registered class or dropped class   + Student can search for the classes and course, but with limitations   + Student can Register for the classes on their behalf * Search Package   + Package respond to give a list of classes or courses for the user * Course Package   + With admin abilities can create, update, and delete the course if needed   + Also, each course that was search will give a list of courses that available. * Class Package   + Like the Course Package but has dependency of registration where school staff or student can look for the class if they need. * Registration Package   + Container Enrolment of all students that was working on the class   + With admin abilities can create, update, and delete the registration if needed for each student   + Student have a right to drop a class. * Validation Package   + Is one-way validation which validate if student is eligible to take classes that he/she requested for.   + In addition, student information should be validated too, before processing a full registration. |
| 3 | Explain how you completed your work, the decisions you made to arrive at your conclusions, and the lessons you learned.  While I was working on this diagram, I have found different way to approach the problem. However, in the package diagram it very similar to the diagram that I was working two weeks ago. Each package that I created has simple relationship which doesn’t confuse at all. Anyway, it was pretty interesting week to learn how to work with package diagrams and create them from a classes that already was existed from day 1. In addition, the main package that I think will depends on the anything else is search package, which is contain all possible information that user needs to find when he or she looking for the course or class. |