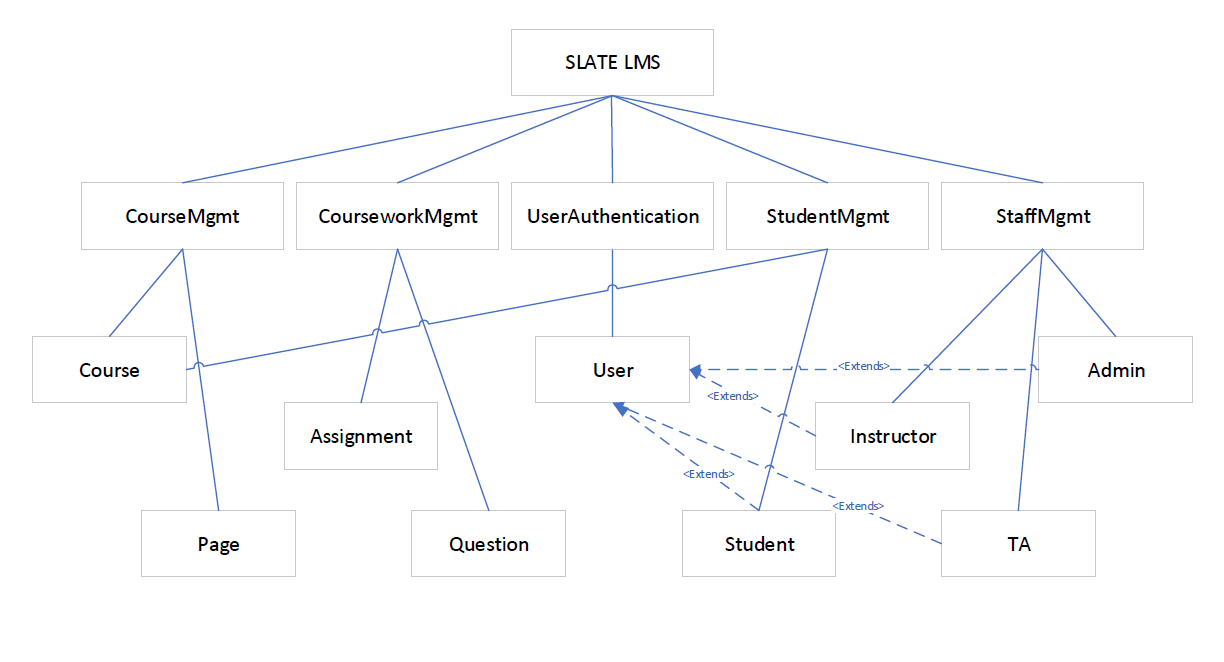
Project module & api design

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IST 412: The Engineering of Complex Software Systems

Urjaswala Vora, Instructor

Package/Modular Structure



* First tier, “Slate LMS”, is the overall project.
* Second tier contains our five use cases/packages
* Third tier contains the Model Classes within our packages

Class Cohesion Assessment for Exposed Classes

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| **Class Student** |
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| **LCOM4 - 1** |
| **Semantic Statement**  getEnrolledCourses and registerCourse rely on the enrolledCourses attribute |
| **Good** |

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| **Class Course** |
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| **LCOM4 - 1** |
| **Semantic Statement**  addPage reliant on both courseID and coursePages attributes |
| **Good** |

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| **Class User** |
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| **LCOM4 - 1** |
| **Semantic Statement**  changePassword, verifyUser, and getUserName methods rely on the username attribute |
| **Good** |

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| **Class Assignment** |
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| **LCOM4 - 1** |
| **Semantic Statement**   Both get methods are reliant on the ArrayList<Question>, while the set methods are reliant on their respective Score attributes. In addition, each get method is also dependent on the respective set methods. |
| **Good** |