

| Course  |
|---|
| name<br>code<br>mark<br>weight<br>gpa<br>calculator<br>to string<br>assessments<br>add assessment<br>get name<br>get code<br>get gpa<br>get assessment<br>get assessments<br>get mark<br>get weight |

| User   |
|--|
| courses<br>CGPA<br>calculator<br>add course<br>get courses<br>get course |

| Assessment  |
|---|
| name<br>weight<br>grade<br>set grade<br>get name<br>get grade<br>get weight |

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| Calculator                               |
| calculate average grade<br>calculate gpa |

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| File Manager  |
| file<br>write to file<br>read from file<br>delete from file |

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|---|
| User Data Manager <i>extends</i> File Manager |
| get user data?<br>get courses                 |

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|---|
| Course Data Manager <i>extends</i> File Manager |
| get course data?<br>get assessments             |