**Grandfield College Scenario Module 5 Assignment**

You have promised to begin building the database within the next couple of days. But before you do that, you have to review the design for normalization and completeness.

1. Review the diagram you made from the previous chapter for all three levels of normalization.

2. Change the diagram to reflect the fully normalized design.

A diagram of a college application

Description automatically generated with medium confidence

3. Document in writing why you made the changes you did, or why you did not need to make changes

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| **Table** | **Documentation** |
| Administration | No change needed. |
| Faculty / Staff | No change needed. |
| IT Department | No change needed. |
| Software  Software Versions | Added *Software Version* table to separate software version from the software type – this makes the software tables dependent only on the one primary key. |
| Departments | No change needed. |
| Computers / Machines | Added *Machine* to the table. |
| Installations | Added a foreign key reference to the *Software Version* table.  Added *Computers/Machines* to the table – supports the normalization applied to the software and software version tables |

4. Review the normalized diagram for completeness. Do the entities capture all the data needed to meet the business rules and needs of Grandfield College IT Department? P