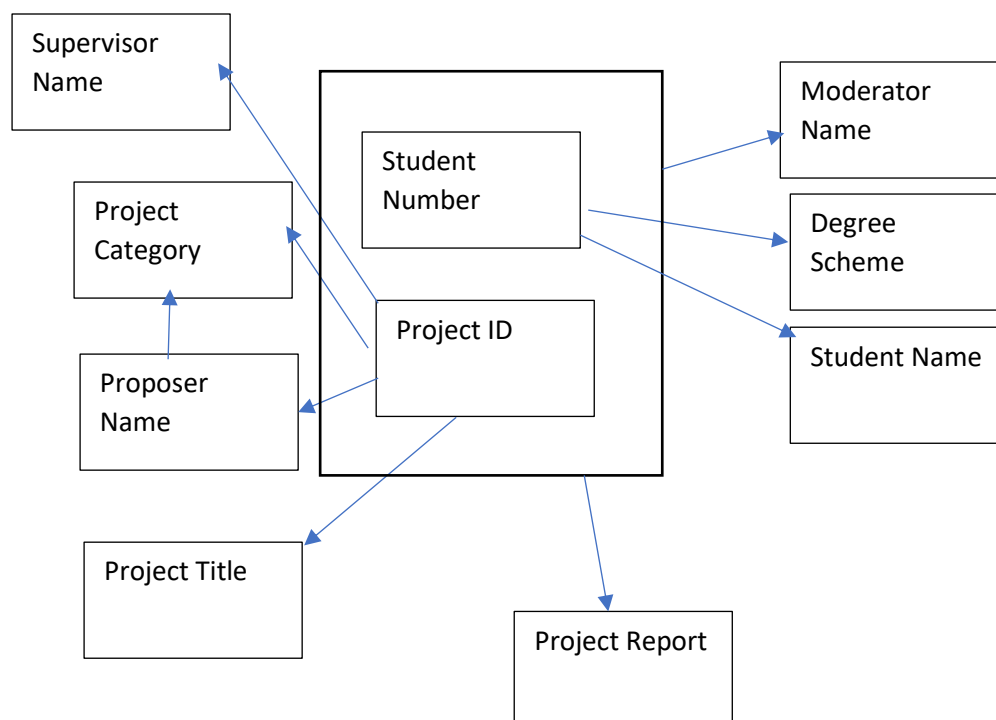


## CM2102: Database Systems Coursework 1

1. Student number and Project ID are the two functional dependencies in this design. One assumption that I have made is that the student number field is unique to each student.



- 2.

<u>Student Number</u>	Degree Scheme	Student Name
0901202	BSc CS	John Smith
0934232	BSc CS	Andy May
0912436	BSc CS	Alice Bell

<u>Project ID</u>	<u>Student Number</u>	Project Report	Moderator name
456	0901202	To be submitted	David Jones
457	0934232	Distinction	Tom Lee
457	0912436	Merit	Mark Walker

<u>Project ID</u>	Project Title	Supervisor Name	Proposer Name	Project Category
456	Computer Game	Wendy Bell	John Smith	Student
457	Flight Simulator	Alan Turing	Alan Turing	Staff
457	Flight Simulator	Alan Turing	Alan Turing	Staff

<u>Proposer name</u>	Project category
David Jones	Student
Tom Lee	Staff
Mark Walker	Staff

3. My design would support group final year projects. This is because the project report is dependent on both project ID and student number. This means that although multiple people have the same project ID, they will have different student numbers and therefore they can get different grades. This might work but it will cause redundancy as the table will repeat the project ID, project title, Supervisor name, proposer name and project category. This will be even worse for redundancy if the people get the same grade.