E/R Modelling exercise

Consider the following information about a university department:

- Staff have a NI, a name, an age, a rank (lecturer, reader, professor) and a research group

- Projects have a project number, a funding agency, a start date and an end date

- Graduate students have a NI, a name, an age, and a degree (MPhil or PhD)

- Each project is managed by one member of staff (the "principal investigator")

- Each project is worked on by one or more member of staff (the "co-investigators")

- Members of staff can manage and/or work on multiple projects

- Each project is worked on by one or more graduate students (the "research assistants")

- When graduate students work on a project, a member of staff must supervise their work on the project. Graduate students can work on more than one project.

- Departments have a number, name, and a URL

- Departments have a member of staff who is the Head of Department

- Members of staff work in one or more departments. If they work in more than one department, a time percentage is associated with their job

- Graduate students have one main department

- Each graduate student has another as a mentor

Design and draw an E/R diagram that captures this information about the university. (For the most part you need only use "classic" E/R modelling concepts, although you may find it useful to use an aggregation.)