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| **Project Title****Design and develop a database/communications system for the automated management of the Advance Practice Program**  |
| The Advance Practice program at Northumbria University takes is circa 600 students across two departments every semester to group them and place them on industry projects over a twelve week period.These students need to be regularly contacted and tracked, evaluated around the areas of their disciplines and expertise and matched to specific projects with our industry clients. Each team is also assigned an academic supervisor and and industrial supervisor to guide them.This creates a complex calendar of meetings, a need to track and understand the progress of each group and individual students and a large burden of comms to be managed for students Academic supervisors and clients.Your task is to design a GDPR sensitive database model similar to air table or mail chimp that could store the information securely, be accessed appropriately by various stakeholders and could automate the burden of communications currently falling o the small AP team. |
| **Company/business name**Northumbria UniversityAdvance Practice Exec | **Company/business location**Northumbria University, Newcastle Upon Tyne |
| **Business benefits** (bullet points)* Automation cuts down on workload and capacity for human error
* Creates secure trustworthy databases
* Greater ease in looking up students and groups
 | **Project outcomes/deliverables** (bullet points)* Online database model with partitioned access for key stakeholders
* Understanding of some automated comms facilities associated
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| **Skills and experience required**(bullet points)* **Computer science**
 | **Experience students will gain** (bullet points)* Applying knowledge to a real-life organisation
* Challenging technical and organisational problem
* The nuances of working with real data
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| **University supervisor**TBC | **Company/business supervisor**Andrew Edden – Advance Practice Coordinatorandrew.edden@northumbria.ac.uk  |
| **Individual or group project**Group | **Resource requirements** (if any) |