TEESSIDE UNIVERSITY
SCHOOL OF COMPUTING, MEDIA AND THE ARTS
SOFTWARE ARCHITECTURE (COM3041-N) WORK PACKAGE SPECIFICATION

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Component Name (from Diagrams)	System Requirements (from Requirement Analysis)	Key Features (from Requirement Analysis)	Interfaces to Other Components (from Diagrams)
Management Web Application	Sends requests to the Staff Profile, Management Profile and Company Purchasing components. User interface to the Staff Profile, Management Profile and Company Purchasing components. Requires admin login to access. Protocol: http	Allows the Admin to interact with the Staff Profile, Management Profile Service and Company Purchasing components. Sends http requests to the company-purchasing component to change, delete and add a new credit card. Component will return a JSON response. Sends http requests to the staff profile component to change the authorization of a staff member. Component will return a JSON response. Sends http requests to the management profile component to change, delete and add a new admin member. Component will return a JSON response.	The management web application will interact with the company-purchasing component, management profile component and the staff profile component.
Company Purchasing Component	SQL database to store credit card details. Needs authorisation so only people with authorisation can access this. Protocol: http Returns: JSON Read/Write	Handles the http requests from the Management Web Application. Stores all the credit card details the staff have use of when buying from third party suppliers. Add, edit and delete credit cards	This will return a list of Credit card details to be viewed on the web application.

Note: Each component can address a number of system requirements and/or key features.