This is a sample marking scheme	**The institute reserves the right to amend or alter this scheme where appropriate**

Development Phase

Development: 60%	Among assessment items we look for are the key algorithms, architecture/distribution, data models. Live data or hardocoded. Overall challenge / complexity. DB Design including stored procedures, triggers, consideration of transactions, concurrency. NoSQL or relational Cross-platform consideration, payment interface integration (eg Stripe), Dynamic Feature Activation, Action Auditing
Testing: 10%	Among assessment items code quality, code metrics, use of design patterns, security features, scalability/performance considerations, "clean code" run code analysers, code metric analysis, address any issues the tools raise. 1. unit testing - some unit tests should be completed as prototypes are delivered - student should know code coverage stats for their unit tests at end of project 2. security testing - for web apps a simple security/penetration test can be done using a tool like Burp suite 3. scalability testing - for a web app lots of tools to test them under load using Jmeter
	Dev Total out of 70

Preparatory Phase

Research: 10%	Demonstrated understanding of the problem domain
Use Cases and Logical Architecture: 10%	Demonstrated undestanding of system functionality and architecture components, distribution, storage, protocols etc
Overall Project Management: 10%	Assess attendance at meetings, effective use of github (or equivalent) and prompt addressing of issues raised at meetings
	Analysis Total out of 30