**📑 Task 1 Marking Ladder**

**🔹 Part A – Analysis**

**1. Introduction**

* **Pass**: States purpose of doc + mentions client.
* **Merit**: Also outlines objectives clearly.
* **Distinction**: Explains purpose, client scenario, AND links objectives to business goals.

**2. Analysis of Existing Solutions**

* **Pass**: Mentions one or two existing platforms.
* **Merit**: Lists strengths/weaknesses with some examples.
* **Distinction**: Detailed SWOT-style analysis with clear justification why a *new* solution is required.

**3. Emerging Technologies**

* **Pass**: Lists some technologies.
* **Merit**: Explains how they *could* be used.
* **Distinction**: Explains *why* they’re useful, with realistic integration into the proposed solution.

**4. Business Context**

* **Pass**: Brief mention of client.
* **Merit**: Includes goals, target audience, and some constraints.
* **Distinction**: Gives a well-rounded business overview + explains how goals/constraints will shape the solution.

**5. Requirements Analysis**

* **Pass**: Lists functional and non-functional requirements.
* **Merit**: Adds KPIs or MoSCoW prioritisation.
* **Distinction**: Covers all four (functional, non-functional, KPIs, MoSCoW) with examples relevant to GibJohn.

**6. Problem Decomposition**

* **Pass**: Names some components.
* **Merit**: Lists main components and explains them briefly.
* **Distinction**: Full decomposition + a **system diagram** showing interactions.

**7. Proposed Solution**

* **Pass**: Names some technologies.
* **Merit**: Explains choices in brief.
* **Distinction**: Justifies choices (tech stack, hosting, security) + links to emerging tech + scalability.

**8. Legal & Regulatory**

* **Pass**: Mentions GDPR.
* **Merit**: Mentions 2–3 laws with brief notes.
* **Distinction**: Covers GDPR, Equality Act, Consumer Rights, Copyright + **compliance mapping table**.

**9. Professional/Ethical Standards**

* **Pass**: Mentions professionalism vaguely.
* **Merit**: Mentions BCS Code.
* **Distinction**: Explains BCS principles + links them to the solution (privacy, accessibility, honesty).

**10. Justification of Design Choices**

* **Pass**: Says what tech is used.
* **Merit**: Gives some reasons.
* **Distinction**: Full justification (frontend, backend, UI/UX, hosting, security) tied back to client needs.

**11. Risk Assessment**

* **Pass**: Lists some risks.
* **Merit**: Describes impact OR likelihood.
* **Distinction**: Full table (Risk | Impact | Likelihood | Mitigation) with technical + business risks.

**🔹 Part B – Design**

**12. Interface Design**

* **Pass**: Simple sketches or mention of screens.
* **Merit**: Wireframes + some navigation description.
* **Distinction**: Wireframes + navigation flow + **UI/UX justification** (WCAG 2.1, colour contrast, fonts).

**13. Data Design**

* **Pass**: Basic list of data.
* **Merit**: ERD or simple schema.
* **Distinction**: ERD + **data dictionary** with fields, data types, examples.

**14. Algorithm Design**

* **Pass**: Mentions one or two algorithms.
* **Merit**: Includes pseudocode or flowchart for a few processes.
* **Distinction**: **Five clear processes** (login, registration, CRUD, payment, feedback) explained in pseudocode/flowcharts.

**15. Test Strategy**

* **Pass**: Mentions testing.
* **Merit**: Lists different test types (unit, integration, UAT).
* **Distinction**: Structured plan + **test cases table** + clear testing order (unit → integration → UAT).

**🌟 Distinction-Level Extras (Polish)**

* Diagrams in every relevant section (wireframes, ERD, flowcharts, system diagram).
* Compliance mapping table in Legal section.
* BCS ethical link in Professional Standards.
* Justification everywhere (not just “what”, but “why”).
* Futureproofing (emerging tech).

**📑 Task 1 Marking Ladder – Cheat Sheet**

**🔹 Part A – Analysis**

**1. Introduction**

* Pass = State purpose + client.
* Merit = Add objectives.
* Distinction = Link objectives to business goals.

**2. Existing Solutions**

* Pass = Mention examples.
* Merit = Strengths/weaknesses.
* Distinction = SWOT + justify new solution.

**3. Emerging Technologies**

* Pass = List some tech.
* Merit = Explain uses.
* Distinction = Show realistic integration + benefits.

**4. Business Context**

* Pass = Mention client.
* Merit = Goals, audience, constraints.
* Distinction = Full context + link to solution design.

**5. Requirements Analysis**

* Pass = Functional & non-functional.
* Merit = Add KPIs or MoSCoW.
* Distinction = All 4 (FR, NFR, KPIs, MoSCoW) with examples.

**6. Problem Decomposition**

* Pass = List components.
* Merit = Explain them.
* Distinction = Detailed breakdown + system diagram.

**7. Proposed Solution**

* Pass = Name tech.
* Merit = Explain choices.
* Distinction = Justify stack + hosting + security + emerging tech.

**8. Legal & Regulatory**

* Pass = GDPR.
* Merit = 2–3 laws.
* Distinction = All key laws + compliance table.

**9. Professional Standards**

* Pass = Mention professionalism.
* Merit = Reference BCS Code.
* Distinction = Apply BCS principles to solution.

**10. Justification of Design**

* Pass = State tools/tech.
* Merit = Give some reasons.
* Distinction = Full justification tied to client needs.

**11. Risk Assessment**

* Pass = List risks.
* Merit = Describe impact/likelihood.
* Distinction = Full table with technical + business risks.

**🔹 Part B – Design**

**12. Interface Design**

* Pass = Simple sketches.
* Merit = Wireframes + navigation.
* Distinction = Wireframes + flow + WCAG justification.

**13. Data Design**

* Pass = List data.
* Merit = ERD/schema.
* Distinction = ERD + data dictionary.

**14. Algorithm Design**

* Pass = Mention a process.
* Merit = Pseudocode/flowchart for some.
* Distinction = 5 processes (login, reg, CRUD, payment, feedback).

**15. Test Strategy**

* Pass = Mention testing.
* Merit = List types (unit, integration, UAT).
* Distinction = Test plan + cases table + order.