# Appendices

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| --- | --- | --- |
| **KSB** | **Criteria** | **Page number and section** |
| K2 | Explains the roles and responsibilities of all people working within the Software Development lifecycle, and how they relate to the project | Page 2 |
| K6 | Outlines how teams work effectively to produce software and how to contribute appropriately. Compare and contrast the requirements of a software development team, and how they would ensure that each member (including themselves) were able to make a contribution | Page 2 |
| K9; S16 | Outlines and applies the rationale and use of algorithms, logic and data structures. | Page 12 |
| K11; S11; S12 | Reviews methods of software design with reference to functional/technical specifications and applies a justified approach to software development. Evaluates different software development approaches in order justifying the best alignment with a given paradigm. | Pages 5 |
| S1 | Creates logical and maintainable code to deliver project outcomes, explaining their choice of approach. Evaluates the advantages and disadvantages of different coding and programming techniques to create logical and maintainable code | Pages 2, 5, 6, 7, 8, 9 |
| S4 | Analyses unit testing results and reviews the outcomes correcting errors. | Page 8 |
| S6 | Identifies and creates test scenarios which satisfy the project specification | Page 8 |
| S7 | Applies structured techniques to problem solving to identify and resolve issues and debug basic flaws in code. Analyses the software to identify and debug complex issues using a fix that provides a permanent solution. | Page 8, 9, 10, 11 |
| S10 | Reviews and justifies their contribution to building, managing and deploying code into the relevant environment in accordance with the project specification. | Page 9, 10 |
| B2 | Establishes a logical thinking approach to areas of work which require valid reasoning and/or justified decision making. | Pages 2, 5, 9, 10, 11 |
| B3 | Describes how they have maintained a productive, professional and secure working environment throughout the project activity | Page 4 |

# Figures

A questionnaire with a question mark

AI-generated content may be incorrect.

Figure 1- Questionnaire

A screenshot of a computer screen

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Figure 2 - Home.jsx Figma Design

A screenshot of a computer

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Figure 3 - Profile.jsx Figma Design

A screenshot of a stock dashboard

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Figure 4 - Dashboard.jsx Figma Design

A diagram of a user flow

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Figure 5 – Entity Relationship Diagram

A screenshot of a computer

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Figure 6 - Project Format

A screenshot of a computer screen

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Figure 7 - Frontend Components

A screenshot of a computer program

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Figure 8 - Unit Test with Jest

**A screenshot of a computer

AI-generated content may be incorrect.**A screenshot of a chat

AI-generated content may be incorrect.

Figure 10 - Render .env configuration

Figure 9 - API testing with Postman

A screenshot of a computer

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AI-generated content may be incorrect.

Figure 12 - ClickUp Tickets

Figure 11 - Documentation

A screenshot of a computer

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Figure 13 - Docker Containers

A screenshot of a computer

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Figure 14 -Vercel Hosting

A screenshot of a computer

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Figure 15 - Rate Limit

A screenshot of a computer

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Figure 16 - Supplementary free API key

A computer screen shot of a program code

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Figure 17 - useMemo

A screenshot of a computer

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Figure 18 - UI

A screen shot of a computer program

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Figure 19 - bcrypt has and salting registered password

A computer screen with many colorful text

AI-generated content may be incorrect.

Figure 20 - bcrypt comparing passwords before signing JWT

A screenshot of a computer

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Figure 21 - Database Schema

A screenshot of a computer

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AI-generated content may be incorrect.

Figure 23 - SendGrid setup

Figure 22 - stored encrypted passwords

A screenshot of a computer screen

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Figure 24 - Reset email from GoDaddy

A screenshot of a computer

AI-generated content may be incorrect.

Figure 25 - Github Repo

A screenshot of a computer

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AI-generated content may be incorrect.

Figure 27 - Render hosted backend

Figure 26 - Github Repo Branches

A screen shot of a computer program

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Figure 28 - Caching for 2 minutes

A computer screen with text on it

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Figure 29 - Snapshot triggered in frontend

A screen shot of a computer program

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Figure 30 - RecordDailyUserValue

A screenshot of a computer program

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Figure 31 - Run daily snapshot

A screenshot of a computer

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Figure 32 - Maintenance - Code End to End Example

A screenshot of a computer

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Figure 33 - Search

A screenshot of a computer screen

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Figure 34 – Console Logging

A screenshot of a computer program

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Figure 35 - .gitignore