Der Plan

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| **Identifying and defining** | * + Begin by defining and analysing the problem requirements including:     - demonstrating need(s) or opportunities     - assessing scheduling and financial feasibility     - generating requirements including functionality and performance     - defining data structures and data types     - defining boundaries   + Provide ongoing screen shots of tools used to develop ideas and generate solutions including:     - brainstorming, mind mapping and storyboards     - data dictionaries     - algorithm design     - code generation     - testing and debugging     - installation     - maintenance. |
| **Research and planning** | * + Apply ongoing project management to plan and conduct the development and implementation of the project including:     - scheduling and tracking using a software tool, including Gantt charts     - using collaboration tools   + Explore communication issues associated with project work including:     - involving and empowering the client     - enabling feedback     - negotiating   + Investigate how software engineering solutions are quality assured including:     - defining criteria on which quality will be judged     - ensuring requirements are met using a continual checking process     - addressing compliance and legislative requirements   + Demonstrate the use of modelling tools including:     - data flow diagrams     - structure charts     - class diagrams     - decision trees. |

Defining the Project

What need is there for a notes app

-Don’t want to use Microsoft and AI

-MS notes can’t be used on anything other than an MS device

-Every system has it’s own notes app and none of them are compatible with each other

-Mobile use

-Multiple contributors

Functional Requirements

The program must:

-CRUD

-Create-create blank notes

-Read-allow the user to view the notes

-Update-allow the user to add or remove content from the notes

-Delete-delete notes, ensuring that there is confirmation and that nothing is accidentally deleted

-Security

-Use data protection methods to prevent XSS, SQL injection, other input-based attacks

-use encryption methods to store notes securely-client-server

-PWA

-Usable on many operating systems and platforms

-Login and joining-JWT token

-Time based 2FA using reliable service

-Only user who created note can CRUD it

-Save notes locally

The Program Should:

-Create-create notes using a template to allow for formatted data entry

-organisation-tags-folders

-Backup and export

-Sync

The Program Could:

-Update-allow invited users to have permissions to edit notes

-Export in PDF

-Self destructible notes after a time (like snapchat)

-sharing