Diagram

Description automatically generated

PAPER(PaperID, PaperComponent, PaperYear, PaperLevel)

ID = levelcomponentyear e.g. AS-component 2-2017

QUESTION(QuestionID, PaperID\*, QuestionContents, QuestionNumber)

Questionid = papered + number

IMAGES(ImageID, QuestionID\*, ImageByteString)

PARTS(PartID, QuestionID\*, PartNumber, PartContents)

questionid + partnumber

QUESTIONTOPIC(QuestionTopicID, QuestionID\*, TopicID\*)

E.g.

Component 2, 2018

2a Describe the von neumann architecture

Bi Describe the use of cache

Ii Describe the use of RAM

Question: Describe the von neumann architecture

Parts:

Bi – describe the use of cache

Bii – describe the use of RAM

Markschemes are hard.

We will provide the markscheme text to the question as part of the question table, and

Need to make it so that we can upload images for questions that need it.

# Goals:

For frontend:

* Sort/search questions by topic etc
* Upload image override
* Random questions (from specific topic etc)
  + Use table to allow for multiple topics
  + Component selection overwrites any selected topics – add warning
* Generate exam papers – specify component (1/2), level, specific topics to include, marks range (e.g. generate from 90-110 marks, getting exactly 100 is too difficult).
  + Using pools of questions etc
  + Could make this smarter later
  + Credit Tamsin for idea