

UML Re

UML Repository

Images, Models, Design metrics, ... etc

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OUTLINE

- UML models crawler
- UML DB

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UML MODELS CRAWLER

Task : Modify current crawler, add more function for collecting sequence diagrams and use case diagrams from the internet.

Tools Infrastructure : Class diagram crawler, Google Image

- **Summary:** The project aims for enriching UML repository with UML sequence diagrams and use case diagrams. These diagrams mostly available as images on the internet. Collecting these images into the repository in very useful for doing many imperial studies.
- We aim to collect:
 - UML models in the page
 - copyright/licence information on the same page
 - Which diagrams come from the same page (and may thus be of the same model).
 - date of that page created
 - Is there (a link to) source code on the page where a diagram was found?

Prerequisites (Not mendatory) : C#, VB.Net, MySQL

Final Product: Online UML models crawler



UML DB

Task : Creating UML diagrams Database contains UML diagrams stored in image formats and text extracted from the images

Tools Infrastructure : Class diagram crawler, Google Image, OCR tools (MODI, Tesseract OCR)

Summary: The project aims for creating UML Database that includes:

1. UML class diagram, sequence diagram and use case, which are stored in image formats, such as bmp and jpg.
2. Text extracted from these images.

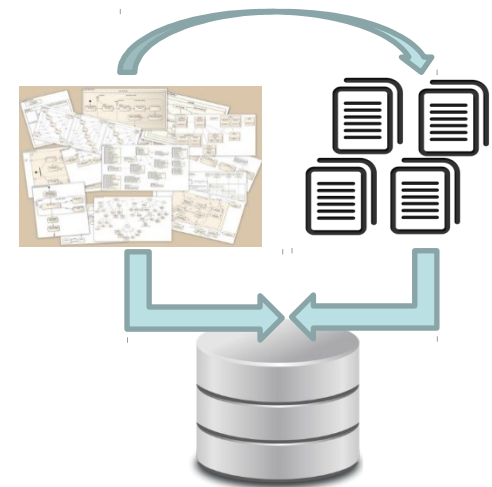
Creating such DB is very useful for doing many imperial studies.

We aim to:

- Collecting UML diagrams from the internet
- Do OCR for UML diagrams stored in images formats
- Store images and extracted text in DB.

Prerequisites (Not mandatory) : C#, VB.Net, MySQL

Final Product: UML Database contains images and text extracted from images



UML REPOSITORY

- Thank You
- Any Questions



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