



INFORMATICS INSTITUTE OF TECHNOLOGY

In Collaboration with

UNIVERSITY OF WESTMINSTER (UOW)

BEng. (Hons) in Software Engineering

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Memorizer

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Abstract

Traditional way of studying and remembering things is getting bored to most students these days, due to the heavy load of content. Most people forget small but important things in their day to day life (mobile numbers, credit cards, PIN numbers, birthdays etc.). Sometimes no matter how hard people try to recall their memories, mind doesn't help them to memorize it.

Everyone wants to do their studies well lined and cover more areas before exams to acquire sensible marks. To do that they need to enhance the efficiency of their work, save and spare more time before the exam. There are circumstances at which it becomes unable to cover some essential parts understudies due to lack of time. Mostly student gets stressed up when the exam is getting closer.

The Author presents an application which can be used to store any kind of data, any series of numbers, theories or anything without writing or typing. The system also allows people to create own choice of short notes in a different and interesting way. The system uses images and manipulation techniques like auto generation of a series of images to make stories, change image colors or add a tint color to images, add marking points on images to locate the stored data position, add specific images according to a keyword, add images on top of the old image and re-generate a new image instead and finally read text from the images and auto create a description.

Mobile application has been implemented using ionic framework with RESTful API exposed through Laravel. Microsoft Bing API has been used to get images to generate story. Web application has been implemented using CodeIgniter. All the sync data is stored in online MYSQL database.

Subject Descriptors:

- Mobile Phone
- Android Application
- Image Search and Retrieval

Key Words:

- Image Filtering
- Mobile Application Development
- Memory Technique