Seminar on Privacy in Ubiquitous Computing

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Abstract

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5 Template Section

This template should give us a first version we can start of with. This last section should support us in writing a more coherent paper together. Therefore I put some guidelines for the writing in section 5.1. Also there are some example for the use of functionalities in Section 5.2. You can copy them and adapt them the way you need them. Just leave this section here for now.

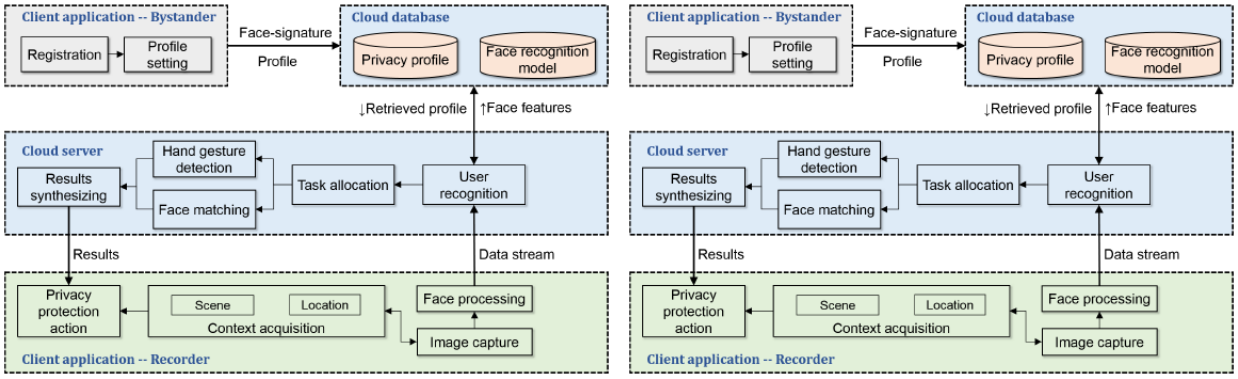
5.1 Guidelines

- **pushing to the repo**
  When you push the newest version to the repo, please leave out the files created by the compiler (besides the pdf). The report on the repo just needs the tex-file, the bib-file and maybe the most current pdf-file. Of course push the changes to the sub folders if you added images or sources.

- **references**
  For every section, subsection, figure, or table you include give it a label. Therefore everyone can refer to it later. It can be done by *\label{marker}*. The marker should declare the type of the object and a short (one word in the best case) name for the object. The types are "sec:" for a section, "fig:" for a figure and 'tab:' for a table. You can refer to them then by *\ref{fig:example}*. Also you should use a $\sim$ symbol before instead of normal space to avoid line breaks there.

- **citations**
  For cititions the BibTex code for the source needs to be in the 'literature_list.bib' file. You can usually get them pretty easily from *Google Scholar*. Please safe all papers/sources you used in the "sources" folder in addition. The citation can then be made by *\cite{antonopoulos2017mastering}* for example. Please use the $\sim$ here too. The result then looks like this [1].

- **abbreviations**
  Please use the \ac{...} command to handle abbreviations. You can define them at the end of the document. Here is one example... When used the first time it automatically defines the abbreviation: *Artificial Intelligence* (AI). For all further times it just prints: AI. Also the plural is possible AIs



(a) Cadrea Overview (b) Cadrea Overview

Figure 1: Example for 2 subfigures.

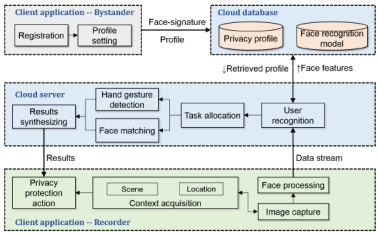


Figure 2: Example for a single figure.

5.2 Examples

```
# Computes the hash of the Block
def compute_hash(self):
    # self.__dict__ -> all variables inside the Block class
    encoded_block = json.dumps(self.__dict__, sort_keys=True)
    return hashlib.sha256(encoded_block).hexdigest()
```

	SVM	**Neural Network**
MR-1	Permutation of training & test features	Permutation of input channels (RGB channels) for training & test data
MR-2	Permutation of order of training instances	Permutation of the convolution operation order for training & test data
MR-3	Shifting of training & test features by a constant (only for RBF kernel)	Normalizing the test data
MR-4	Linear scaling of the test features (only for linear kernel)	Scaling the test data by a constant

Table 1: Content totally out of context, literally just as an example for a table.

Abbreviations and Acronyms

AI *Artificial Intelligence*

ML *Machine Learning*

List of Tables

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References

[1] Jiayu Shu, Rui Zheng, and Pan Hui. Cardea: Context-aware visual privacy protection from pervasive cameras. *arXiv preprint arXiv:1610.00889*, 2016.