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**Final Project Selection Form**

# Basics of Programming II

*Webpage:* [*www.aut.bme.hu/course/bop2*](http://www.aut.bme.hu/course/bop2)

Instructor: Dmitriy Dunaev

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| General Information |

**Project Title:** Facebook Like

**Student’s Data:**

Name: Kormoua Khongmeng

Personal Code (Neptun): I3MLPQ

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| Honor Code |

By filling and submitting this Application Form I certify that ALL of the following are true:

1. I fully understand the consequences of plagiarism and cheating.
2. I fully understand the meaning of plagiarism and recognize specifically that it includes copying of assignments, paraphrasing, reusing old assignments and source code and related materials.
3. I recognize that the minimum penalty for plagiarism and cheating with Project Assignment is a Fail (1) in the course.
4. If I am unsure about whether something constitutes plagiarism I will consult my instructor before I turn in the assignment.
5. I will give correct information on this form.

Please, answer questions completely. If approved this application becomes part of a Project Assignment.

All information provided will be kept confidential from other Students.

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| General Requirements for Final Project |

A Final Project requires the application of system and algorithm design, testing, and documentation skills. The minimal requirement includes applications of object-oriented paradigm (classes, data hiding, encapsulation), dynamic memory management (new/delete), as well as implementation of three C++ techniques at your choice:

* Inheritance (base and derived classes).
* Polymorphism: abstract classes and virtual functions.
* Operator overloading with local and global operations.
* File management: saving data to file, loading data from file.
* Exception management (try/catch).
* Multiple inheritance.
* Generic data structures: class and function templates.

You do not have to select the techniques now. Later, in project documentation you should clearly explain what three techniques from this list you have implemented and how. This will be checked at personal defense.

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| Questions about the Project |

1. Give general description of the problem domain, provide theoretical and/or empirical backgrounds if needed:
2. Describe your solution of the above problem (algorithms, methodology, reasoning):
3. Are you planning to use external solutions, e.g. class libraries, interfaces, engines, implemented algorithms? Explain.
4. What object-oriented techniques from point 3 are you planning to implement? Your selection can be changed later, as it will be fixed by the submission.
5. Notes and comments

*Please note that only programs written in C++ with object-oriented approach that meet at least minimal requirements can be accepted. Upload this Form only at the Course webpage; do not send it by e-mail or in any other way. If your Project is not accepted, you can resubmit the Form again addressing the problems pointed out by a Computer Lab instructor. The submission deadline can be found at the Course webpage.*