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| Kyrgyz State Technical University |
| Software Engineering Methods |
| Laboratory work 2 |

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**Task**

Static unlinked linear list to design on based array. The project must fulfill the following functions

* insert of element on the list;
* delete of element from the list;
* search of element in a static list;
* search of position of element in a static list;
* Print list.

**Requirements:**

Type of Input must be an integer.

Limit the size of an array of 100 elements.

**Design of diagrams.**

**Design** - The structural method – decomposition. To decompose the task at the top level (modules) and the lowest level (function). Process data for exception cases.

**All inputs are validated by native c++ method cin.fail(), which returns false if inputed not valid data.**

**First level design by top-down**









