# Chapter 2.

Sheet

41

NAU 17 21 84 000 EN

Performer

Chykurov M.V.

Supervisor

Khomenko V.A

Normcontrol

Radishevskij M. F.

DEVELOPMENT TOOLSAND REQUIREMENT SPECIFICATION

Letter

Sheets

21

SE-616 8.05010302

Department of SE

# Development toolsand requirement specification

## 2.1. Overview of system structure.

Full software system name: “Center of Ukrainian Aviation Training”.

Purpose of system: evaluation of pilots, maintaining pilot skills and provide information about flight simulation results.

Field of usage: flight simulators training centers with orientation on training semi-professional and professional pilots.

The objectives of application: make intuitive information resource that would help pilots perform their training and get evaluation, for instructors – to evaluate pilots.

The main idea of development this system is to create comfort, effective and secure system with intuitive interface and powerful back-end. Business logic is commonly easy. The functionality is to manage users and provide correct managing of data. One of structural ideas is to cut database rights of user portal for security reasons. That is why the connection user portal will be read-only. For database itself will be created two types for connection: for main application and user portal. The simulator will be working only with main application.

Users will be divided by access rights: Administrator, Instructor and Instructor. Administrator will have all rights to manage data in main application. Instructor can evaluate and manage data related to pilot. Pilot can check his result data gathered from flight simulation training. This will be provided with the usage of object relation to list roles. The key part is limiting rights and monitoring rights and authentication of user’s rights.