Project Charter

| Project Sponsor | Donon Y. |
| --- | --- |
| Project Manager | Rodin I. |
| Author | Rodin I. |
| Classification | Not classified |
| Status | Pending |
|  |  |

List of Changes

| Date | Version | Changes | Author |
| --- | --- | --- | --- |
| 1.3.2019  what date format should we use(dd.mm or mm.dd?) | 1.1 | Document init | Rodin I. |
|  |  |  |  |
|  |  |  |  |

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# Background

Reference to study and option chosen.??what is study exactly is?

# Objectives

**System Goals**

| No. | Category | Description | Measure | Priority |
| --- | --- | --- | --- | --- |
| *1* | *Course compliting* | *The result of the course should be presented as working graphic library in given time* | *Compliance of result and all the time constraints and requirements* | *M* |
|  |  |  |  |  |

Explanation: Priority: M=must /1=high, 2=medium, 3=low

**Procedural Goals**

| No | Category | Description | Measure | Priority |
| --- | --- | --- | --- | --- |
|  | Lines stage | Program should be able to draw all the lines from obj files with different accessible methods | Working module of lines drawing | M |
|  | Polygons stage | Program should be able to fill every triangle of the model with certain color | Working module of edges filling | M |
|  | Lighting stage | Program should be able to simulate light from lightsource from different angles | Working lighting module | 3 |
|  | Texture stage | Program should be able to fetch textures from file and put them to polygons | Working texture module | 2 |
|  | Camera stage | Program should be able to freely convert coordinates to allow to set different camera angles | Working camera module | 2 |

**Parameters**

Text

**Delimitation**

Text

# Description of Solution

Description of option chosen, reference to study. What is option???? and reference to study

# Strategy Reference and Implementation of Requirements

Reference to strategy

* Reference of project objectives to the core organization's strategy

Implementation of requirements:

* Compliance with the requirements of the core organization

# Legal Framework

We`ve tried two or three different libraries providing same functionality and we`ve decided to stop on the Pillow library for graphic purposes for python, but also we use some suitable object types from python Graphics library in order to not to duplicate code, not to write a code worse then we can use and not to waste time on it. We also use built-in Python IO module, NumPy library to perform all the needed calculations and some specific functions from Math module.

# Resources Required

Costs (Rub)

| Phase | Planned |
| --- | --- |
| Initiation\* | - |
| Concept | - |
| Implementation | - |
| Launch | - |
| Total | - |

\*Advance (Actual)

Human Resources Required

| Phase | Planned |
| --- | --- |
| Initiation\* | 40 hh |
| Concept | 50 hh |
| Implementation | 140 hh |
| Launch | 50 hh |
| Total | 280 hh |

\*Advance (Actual)

**Other Resources**

Rooms, IT infrastructure, specific software, etc.

# Efficiency

It will cost us approximately 56 hours for each team member, and the benefit will be positive course grades both for management and computer graphics

# Planning

Milestones and deadlines

| Milestone | Planned |
| --- | --- |
| *project release* | *20.4.2019* |
| Project presentation to project sponsor | *2.3.2019* |

# Organization

| Role in the Project Organization | Name | Ref. | Function/Organizational Unit |
| --- | --- | --- | --- |
| *Project Sponsor* | *Donon Yann* | *?* | *Head of money Department* |
| *Steering committee* | Pashina Tatiana |  |  |
| *Project Manager* | Rodin Ilya |  |  |
| *ISDP manager* | Posokha Kirill |  |  |
| *Specialist: User representative* | Zdornov Maxim |  |  |
| *Specialist: Business process owner* | Posokha Kirill |  |  |
| Quality and Risk Manager | Pashina Tatiana |  |  |
| Sub-Project Manager | Rodin Ilya |  |  |
| Project Support | Rodin Ilya |  |  |
| Member of Technical Advisory Committee | Zdornov Maxim |  |  |
| Product Owner | Posokha Kirill |  |  |
| Operations Manager | Pashina Tatiana |  |  |
| Business Analyst | Gordeev Pavel |  |  |
| Developer | Gordeev Pavel |  |  |
| IT Architect | Posokha Kirill |  |  |
| Test Manager | Zdornov Maxim |  |  |
| Tester | Zdornov Maxim |  |  |

# Risks

| No. | Risk Description | PO | LI | RN | Measures | To be Handled by | Deadline |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *R1* | *IT system does not perform well enough* | *2* | *3* | *6* | *Performance Tests* | PM | 20.04.2019 |
| R2 | Product is not finished | 1 | 3 | ? | Compliance with deadlines | PM | 20.04.2019 |
| R3 | Project does not response to all the requirements | 2 | 2 |  | Compliance with requirements list | Product owner | 20.04.2019 |
| R4 | Necessery documentation is not ready | 2 | 2 |  | Percentage of filled documents relative to hermes prescriptions | PM | 20.04.2019 |

Explanation: PO=probability of occurrence: 1 low / 2 medium / 3 high; LI=level of impact 1 low / 2 medium / 3 high, RN=risk number

# Consequences

**If project is released**

We`ll get positive course grades both for management and computer graphics

**If project is not released or if it is released at a later date**

We`ll have troubles with both courses and won`t have enough time to get prepared for our diploma defence