1. Вам нужно оценить, сколько времени понадобиться для запуска Tesla в космос. Примените известные вам техники эстимации для расчетов.

|  |  |  |
| --- | --- | --- |
|  | Modules & submodules | Spent time: |
| 1 | Workload assessment | 12 months |
| 1.1 | Definition of purpose | 1 month |
| 1.2 | Risk assessment | 10 months |
| 1.3 | Preparation of documentation | 1 month |
|  |  |  |
| 2 | Determining resources and obtaining development authorizations | 12 months |
| 2.1 | Financial plan | 1 month |
| 2.2 | Search for investors | 1 month |
| 2.3 | Search for suppliers | 2 months |
| 2.4 | Search for qualified staff | 2 months |
| 2.5 | Request for government approval | 5 months |
| 2.6 | Search for place to launch | 1 month |
|  |  |  |
| 3 | Development a rocket | 54 months |
| 3.1 | Drawing up of technical characteristics | 3 months |
| 3.2 | Modeling | 3 months |
| 3.4 | Rocket design and software development | 6 months |
| 3.5 | Testing of individual rocket modules | 12 months |
| 3.6 | Component integration testing of rocket modules with side systems | 12 months |
| 3.7 | System integration testing of rocket stages | 12 months |
| 3.8 | System testing of the rocket | 18 months |
|  |  |  |
| 4 | Transportation and installation | 1 month |
| 4.1 | Delivery of a rocket to the cosmodrome | 2 weeks |
| 4.2 | Assembly and installation | 1 week |
| 4.3 | System testing of the rocket at the cosmodrome | 1 week |
|  |  |  |
| 5 | Rocket launch | 1 day |
| 5.1 | Putting the car in a rocket |  |
| 5.2 | Final system testing |  |
| 5.3 | Rocket launch |  |
|  |  | 7 years 7 months |

2. Давайте предположим, что Вам нужно запланировать активности по тестированию на целый проект. Выпишите список того, что вы планируете делать и в какой последовательности.

1. Test planning
2. Test analyst design
3. Define the criteria for starting and ending testing.
4. Test implementation
5. Test execution
6. Fixation of defects
7. Analysis of results and reporting
8. Test closure activities

3. Представьте, что Вы только что закончили спринт. В нём была регрессия и разработка нового функционала. Напишите отчёт (все значения можно взять из потолка) о тестировании. Выберите полезные для Вашего случая метрики

|  |  |  |
| --- | --- | --- |
| ID | Regression metrics | Total |
| 1 | Total number of written test cases | 100 |
| 2 | Percentage functional coverage | 70% |
| 3 | Critical defects count | 5 |
| 4 | High defects count | 1 |
| 5 | Medium defects count | 4 |
| 6 | Low defects count | 2 |

|  |  |  |
| --- | --- | --- |
| ID | New functional metrics | Total |
| 1 | Total number of written test cases | 1000 |
| 2 | Total number of passed test cases | 600 |
| 3 | Total number of failed test cases | 280 |
| 4 | Total number of blocked test cases | 70 |
| 5 | The difference between open and closed bugs | 37 |
| 6 | Critical defects count | 50 |
| 7 | High defects count | 100 |
| 8 | Medium defects count | 40 |
| 9 | Low defects count | 20 |