

DP2 – FINAL DELIVERY DOCUMENT

GI - 01

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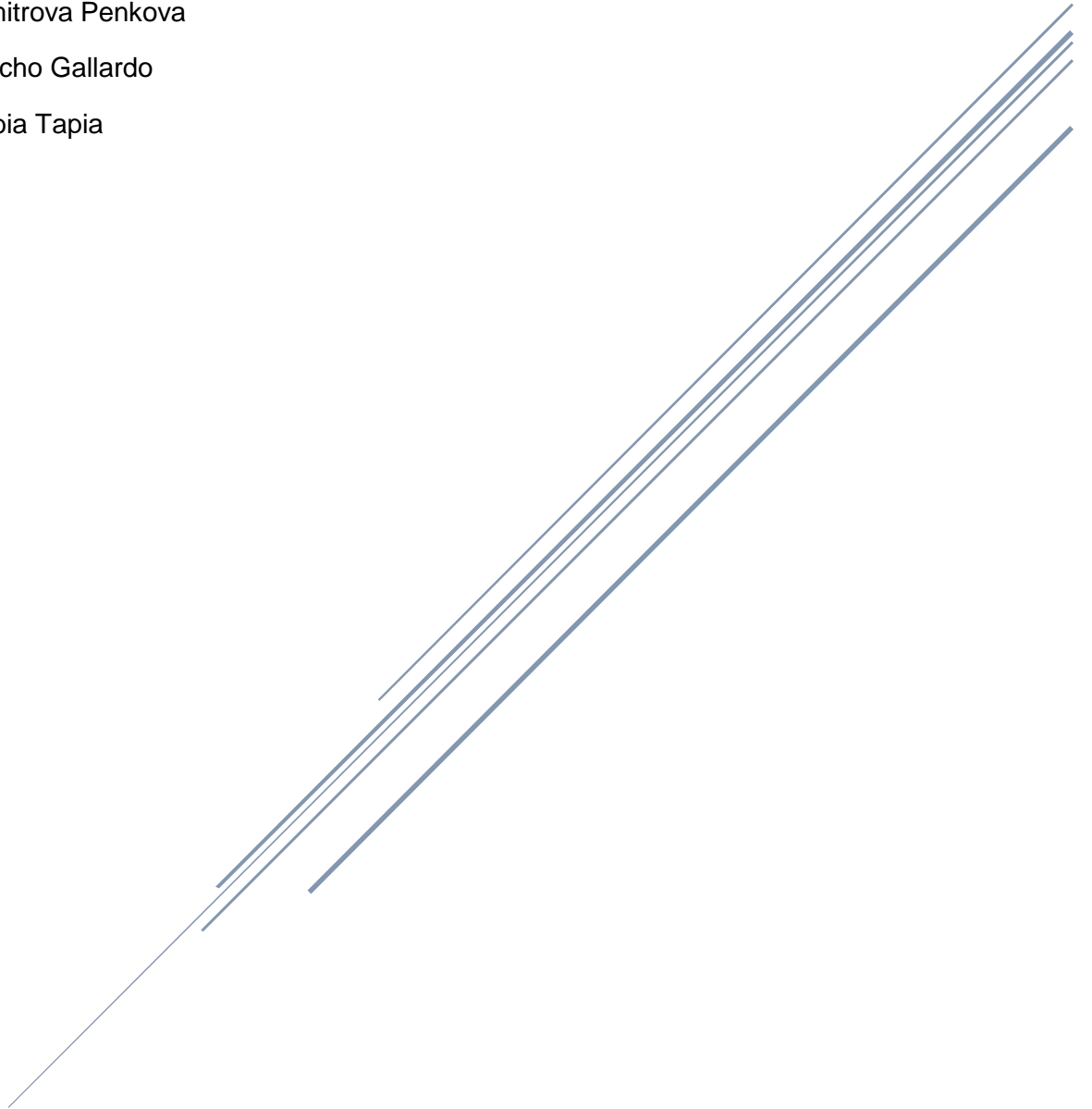


Table of Contents

1. GITHUB URL	2
2. AIMED LEVEL IN EACH DELIVERABLE	2
3. EACH LEVEL REQUIREMENTS ACHIEVEMENTS	2
4. RETROSPECTIVE	3
4.1. Sprint 1	3
4.2. Sprint 2.....	3
4.3. Sprint 3.....	3
4.4. Sprint 4.....	4

1. GitHub URL

The URL of our repository is the following:

<https://github.com/gii-is-DP2/DP2-1920-GI-01>

2. Aimed level in each deliverable

Since the beginning of the semester and subject we wanted to reach the highest level possible because we tend to be ambitious with respect to that, and also because we knew we could achieve it. So, in each one of the deliverables, which are the following, we aimed for the A+ level:

- Application and Unit Testing
- Integration and E2E Testing
- Performance testing and refactoring

The A+ level included different throughout each deliverable and they will be dealt with in the next section.

3. Each level requirements achievements

The first thing we did in every sprint was having a meeting to overview a little what we consider as the Product Backlog. In other words, what was specified in the pdf file provided at the beginning of the semester. After having that meeting, in which we usually decide more or less what is going to work on each member of the group, we updated the project board on GitHub so the tasks would be available as soon as possible and each of us could start his/her work.

At some points, if we had doubts on how we should address a certain task we had two options. The first one was asking our teammates and the other one was asking the teacher. More or less when asking the teammates, we covered the doubt but there were sometimes in which we needed to consult the teacher.

Regarding all deliverables, we wanted to make sure that everyone did something from everything. That is to say, if perhaps we have a performance task (as in the last deliverable) each one of us had to work on it. This way, all of us knew what was each deliverable focused on.

Concerning this part, there are more detailed reports of each one of the deliverables in the Documentation folder of our project in GitHub. Feel free to take a look on them.

4. Retrospective

4.1. Sprint 1

In the first sprint there wasn't much to do, as in the further sprints. Nevertheless, we had few meetings to work on the idea of the extension we could do on the application. Three of the current five members of the group worked together in DP1 and we knew more or less our strengths and weaknesses, but there were two additional members that we hadn't worked with, so we had to go through a quick process of getting to know ourselves. We think that the trust and reliability is a key in a working group, that is why we made that effort.

The overall conclusion we can get from this sprint is that we did a good job and that we were excited to get into the development and testing, that is where all the fun is.

4.2. Sprint 2

This second sprint of the subject was the first one in which we had the opportunity to get our hands dirty and work on the new features we thought could improve the initial template project.

The deliverable we made in this sprint can be defined as the "we don't know spring boot framework enough" deliverable. At first, all of us had to go through a learning process of this new framework so we could start implementing the first user stories. After some work and getting stuck sometimes, we managed to progress significantly every week.

As for the group performance we can say that we were very supportive towards one another because there were moments in which one member couldn't continue with its task and another member was there to help him/her. Although we were lacking some communication in the group, we think that the overall work was good. We would try to improve those aspects which we think are key in this type of projects.

4.3. Sprint 3

During this sprint we were very comfortable with the framework and maybe not every detail of it, but we knew a lot more than those first weeks of the subject. This sprint was devoted mainly to testing our application and to finish some user stories that we had left. We have to say, we implement the user stories very quickly because we knew what was coming in the end of the semester and we wanted to make sure that we could deliver them and that the group performance wouldn't be affected by other factors.

As for the group improvements, we had a little more communication than before but still, we could do even more. Also, the miscommunication we could have could've affected the acknowledgement of other members' progress throughout the sprint. Also, in this sprint we included some weekly meetings and a new meeting at the end of the sprint to check that everything was working well. We think that would've been a good practice for the previous sprints and should've been included much earlier but as with everything in life, we learn as we progress.

Without taking into account those aspects, the work was as usual good, we could deliver every task of the aimed level as well as the full implementation of the user stories.

4.4. Sprint 4

Concerning this last sprint, we realized that the workload wasn't as heavy as in the other sprints. Nevertheless, we continued on deliver each task at our self-established deadlines without any major problems.

At the start of the sprint, we had a meeting in which we decided three things:

- Tasks distribution among us.
- To establish some internal deadlines as for example to have the performance testing done by May 17th.
- To have a meeting after every self-established deadline.

These decisions made a significant improvement in the aspect we were lacking in the previous deliverables. We picked up with the communication and in those weekly meetings we could know what was each member doing at the moment, if anyone was having any problems and so on.

Our thoughts with regard to this sprint are positive.

In the following table you can see the effort each member has put into the project as well as a graphical representation of that information. We have excluded the first sprint since we didn't have any effort data and there wasn't any implementation nor testing of the application.

Member	Sprint 2	Sprint 3	Sprint 4	Total
Diana Bukša	22h	20h 40m	20h 45m	63h 25m
Manuel Cañizares Juan	23h 25m	25h 40m	27h 57m	77h 2m
Yoana Dimitrova Penkova	56h 13m	27h 5m	20h 55m	104h 13m
Iván Menacho Gallardo	13h 40m	22h 10m	29h 42m	65h 32m
Álvaro Rubia Tapia	43h 30m	24h 28m	22h 24m	90h 22m

