



DEVOPS PROJECT : MAKE YOUR WISHES COME TRUE

Attention: it is up to you to form the groups, and only one project is allowed per group.

Subject: The application that makes your wishes come true

People make a lot of New Year's resolutions and almost never follow them. These can be good decisions, like learning new things, reading more books, traveling, or taking care of your health.

But these decisions often don't last more than a month: I stopped making them, personally. Maybe things would be different if I could find constant motivation to achieve my wishes. When someone is motivated on a daily basis, human nature allows them to achieve any type of goal.

If an application could be installed on a smartphone and connected to a smart watch to continually remind us to aim for this or that goal, perhaps we would be able to keep our good resolutions? We can also imagine functionalities allowing us to set intermediate objectives. And of course, congratulatory messages when a goal is achieved or about to be achieved!



Examples of objectives:

- Challenges: network of encouragement, competitions and ranking according to objectives with different levels to achieve.
 - Take a number of steps over a defined time according to a set objective
 - Sponsor people around you...
 - **Reminder Message:**
 - If today's date is ≤ 15 :
"Reminder: Today is [current date]. Time is running out to achieve your objectives for this month!"
 - Otherwise (date > 15):
"Today is [current date]. The end of the month is near—make sure to complete your objectives!"

Your wishes:

January: write a diary

If that's still not the case, start journaling. Writing is one of the best therapies, and after the tumult of emotions it has left us these years, writing a journal is a great way to put your thoughts in order. We have experienced a global pandemic, an economic crisis, lockdowns, closures of services, schools... in a few years, when you reread what you have written you will not believe it!



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February: redecorate the house to feel good

In recent years, you have certainly had to spend long periods at home confined and you have seen the importance of having a space to rest, enjoy and even telework. So, one of the objectives of this new year is to make your home a pleasant (or even more pleasant) space to disconnect from the rest of the world and where to nest.

March: take care of yourself

It's a classic and everyone can extrapolate it to what they need most: quit smoking, exercise more, eat better, meditate, move more, prioritize, have more time for yourself... Not apologies!

April: be kind

Covid has left us all speechless and made us feel very vulnerable. Be kind to people and look them in the eye; in 2023, we all wish for kind and hopeful words; we have a lot in common and it's easy to make others happy with these small gestures.

May: Do something you've never done before

Sign up for a marathon (and finish it), take salsa lessons, learn to crochet, take a trip with a family member, start taking chess lessons. Everything is worth it as long as they are things that add something extra to your year! It's a question of audacity!

June: Spend time with yours

This year 2022 has taught us how important it is to be surrounded by those who love us. With some of them, we couldn't see each other as much as we would have liked, which is why this goal for the new year is irreplaceable: spending time with your loved ones, getting together with them for a weekend and go to a country house, go out to dinner in a restaurant by the sea or just a tender gesture.

July: go to a concert and dance

Enjoy summer festivals and summer holidays! Nothing better to enjoy with friends than good dancing on a summer evening under the stars while you sing the best hits live!



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August: sleep a night on the beach

Sleep a night on the beach, with your partner, your family, your friends or yourself. Take a blanket, because it gets cold at night, take a night bath, contemplate the immensity of the stars and let the first rays of the sun caress your face. The sunrise over the Mediterranean will be your best wake-up call.

September: discover the world

Get out of your comfort zone and explore new terrain. This can be from a hiking trail through the mountains or from the hiking trails we have on the Costa Brava around the world! Knowing other realities always allows you to have a more open mind and come back with fully charged batteries!

October: study

It doesn't have to be a master's degree (although if you feel like it, that's great). Retrain yourself, acquire new knowledge, do research, feed your curiosity. Today, there are many online platforms that offer you very affordable and interesting distance learning courses on specific knowledge. Choose what you prefer and move on!

November: learn to play an instrument

A tip: if you like to sing while playing an instrument, the ukulele is all the rage and with a few weeks of practice you can learn simple, familiar songs with just four chords! Do you dare?

December: Breathe consciously

Many times, something as basic as breathing seems to cost us dearly. Bringing awareness into the breath stops us and grounds us in the present moment. Every day, 5 minutes of awareness about how you breathe and you are sure to notice the difference!

We hope that this new year you can achieve all your goals, that you can surround yourself with those you love and calm down again! Good year !



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For your information, this project is to be completed in groups. You are free to form your own teams.

Assignment Submission:

A complete file for each group must be submitted on Moodle containing the following elements:

- Apply DevOps principles while maintaining an Agile mindset throughout the project.
- Define the role of each team member clearly.
- Create your project on GitHub (or GitLab, if possible), ensuring all necessary steps are included.
- Build and execute CI/CD pipelines using Jenkins.
- Display the pipeline results and statistics (Ensure that a `parameters` directive is used in one pipeline so Jenkins CI/CD can prompt for user input during task execution).
- Prepare a finalized project presentation in PDF or PowerPoint format.
- Include the source code for the pipelines.

Submission deadline on Moodle: Sunday January 26 at 11:59 p.m.

Important: Add my email to the list of project members.