# Project: NDN Mailing List Search Tool

## 9th NDN Hackathon

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# What we are going to solve and Why?

- NDN mailing list archives
  - are collection of discussion by the NDN community, where NDN researchers (especially those who are new to NDN) across the world ask questions from the experts of NDN.
- Sometimes, people ask exactly the same question, which already answered by someone else in the mailing list.
- This happens because questions on the NDN archives are growing exponentially and there is no "dedicated search tool" available in the NDN mailing lists archive. The only way to search the archives is "Google."
- However, most of the time, people are not familiar with the Google search techniques/tricks.
- In fact, sometime people don't bother to search a question before posting it.
- Therefore, users sometimes post very simple questions. Although most of the answers are available on the mailing list, still people post on mailing list and expect for answers.
- As a result, some experts don't answer questions due to repetition and simplicity. It becomes very hectic to answer the same question to multiple people again and again.

# What we are going to solve and Why?

- We observe, that there should be a tool that can find out the existing answers and questions relevant to NDN.
- In case there is no such answers available then the user needs to post a question on mailing list.
- Such tool will reduce the frequency of same question on mailing list and repetition will be avoided.
- Therefore, in this hackathon project, we develop a search tool for NDN mailing lists where NDN researchers can search the question before posting it on the mailing list.
- For example, if someone is looking for the solution of “AdHoc faces”, then he/she may enter the key word “AdHoc faces” in the search text box, and our tool will return a list of all questions related to “AdHoc faces”, which were asked by the others before and answered by the NDN experts.
- It will save the time of both the person who is asking the question and the one who will answer it.

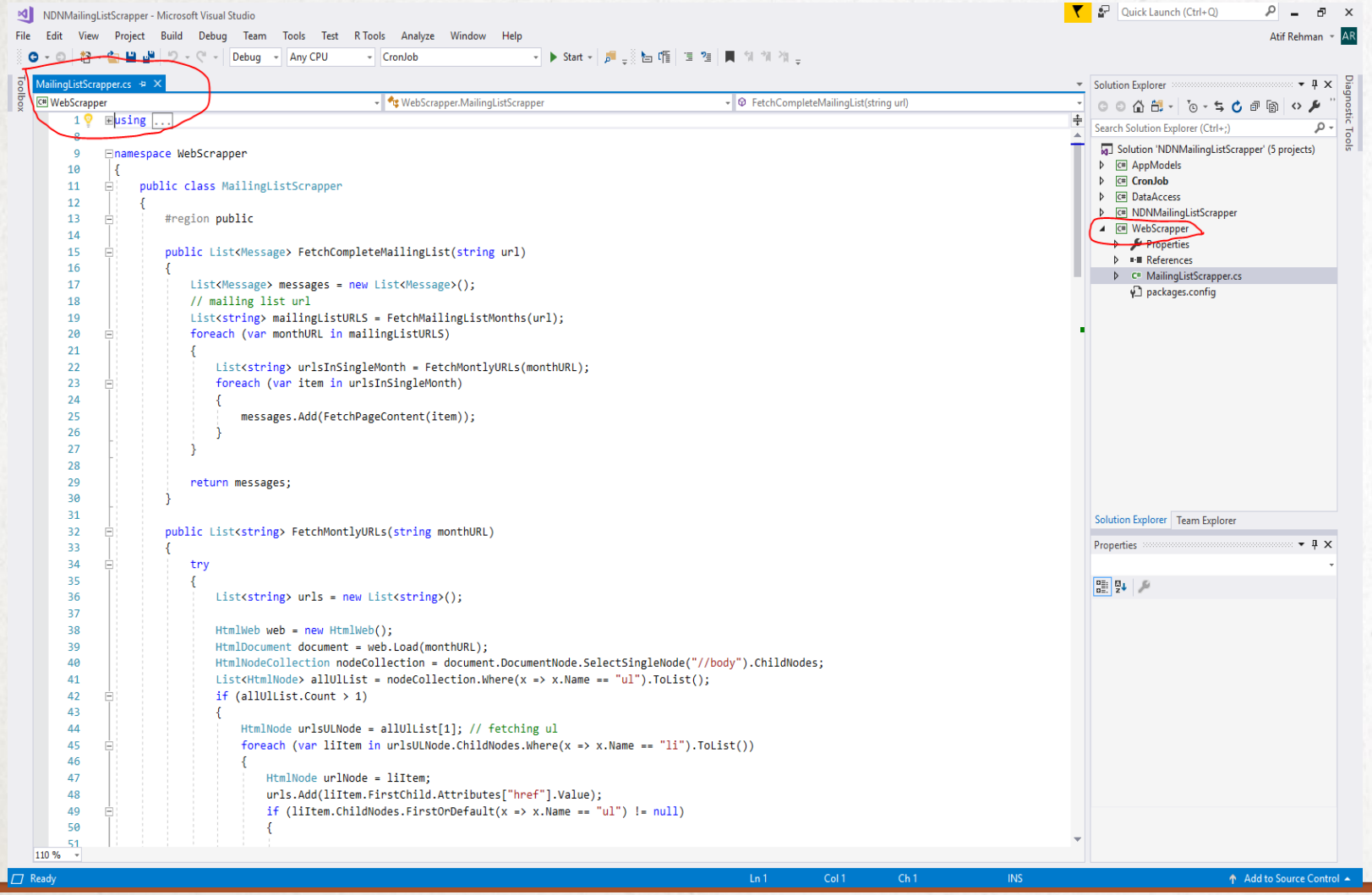
# Tasks In This Project

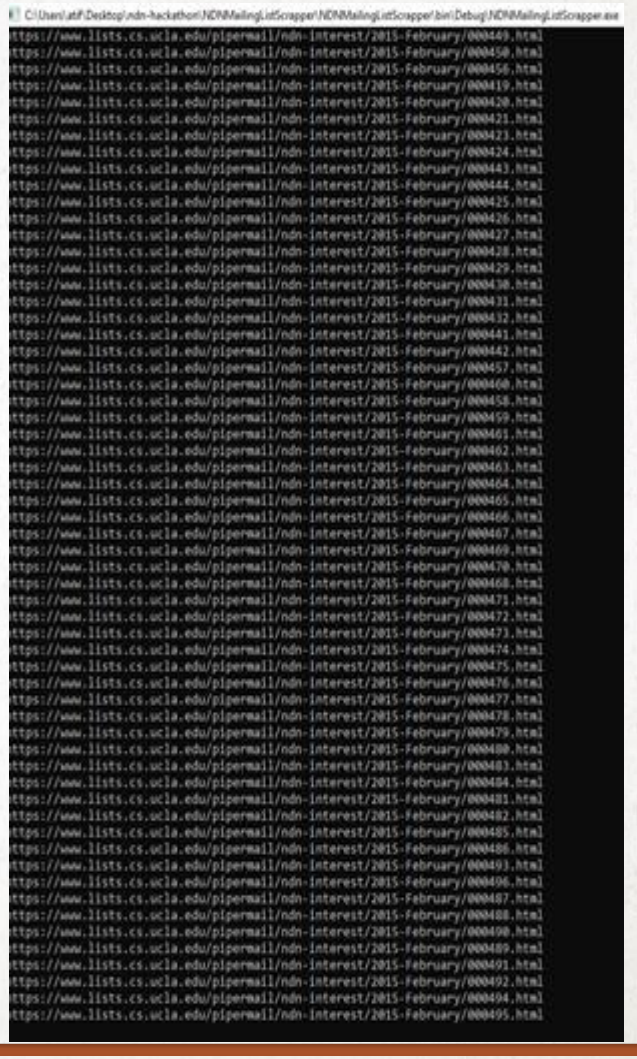
- Task 1: NDN mailing lists scrapping
  - Scrapping the existing content of all NDN mailing list
  - Check for the latest updates periodically (Questions/answers)
- Task 2: NDN mailing list search app (web search)

# Tools and Programming Languages

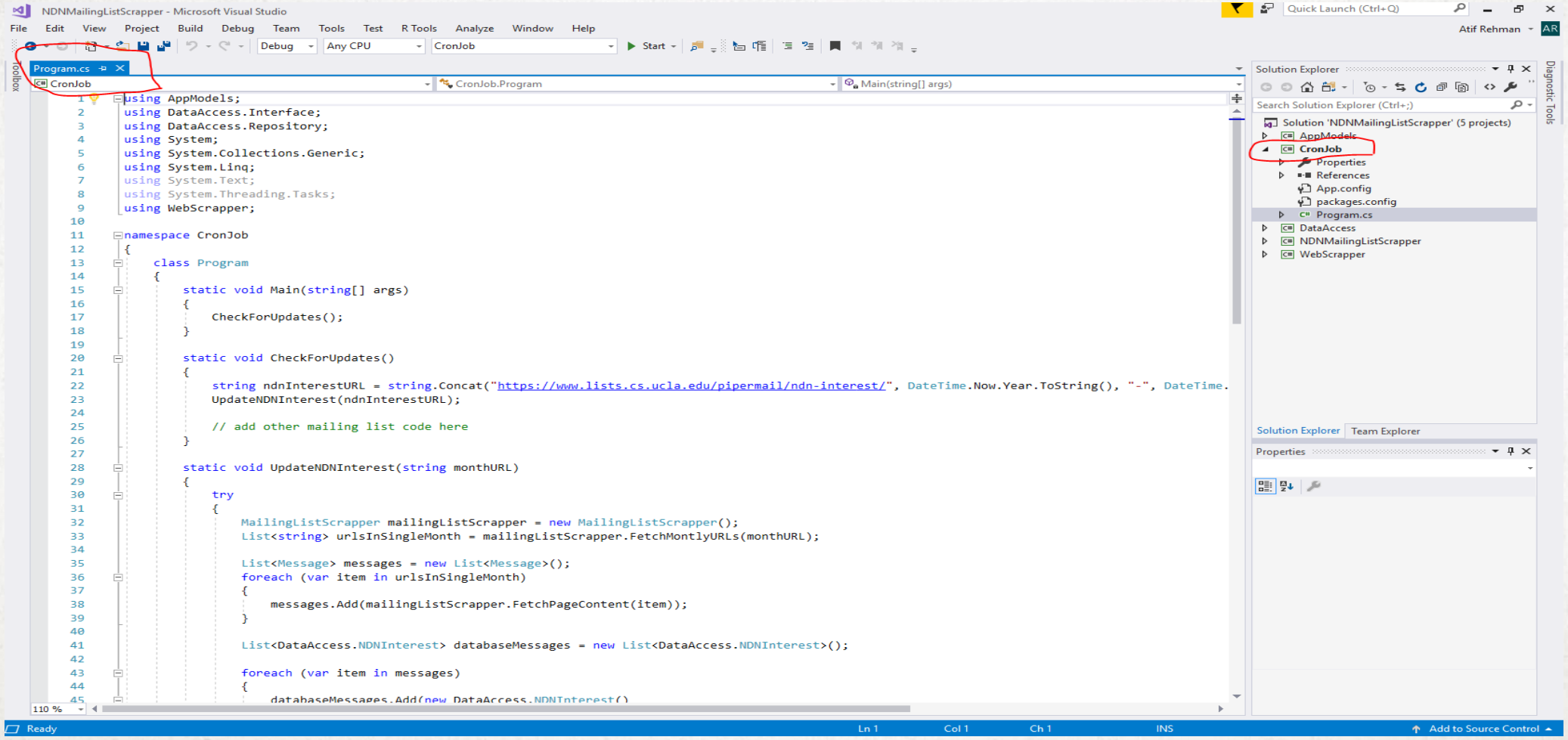
- Programming Languages
  - C#, Entity Framework, SQL for first task
  - HTML, CSS, JavaScript, ASP.NET MVC, Entity Framework, SQL for the second task

# Scrapping The Existing Content of All NDN Mailing List

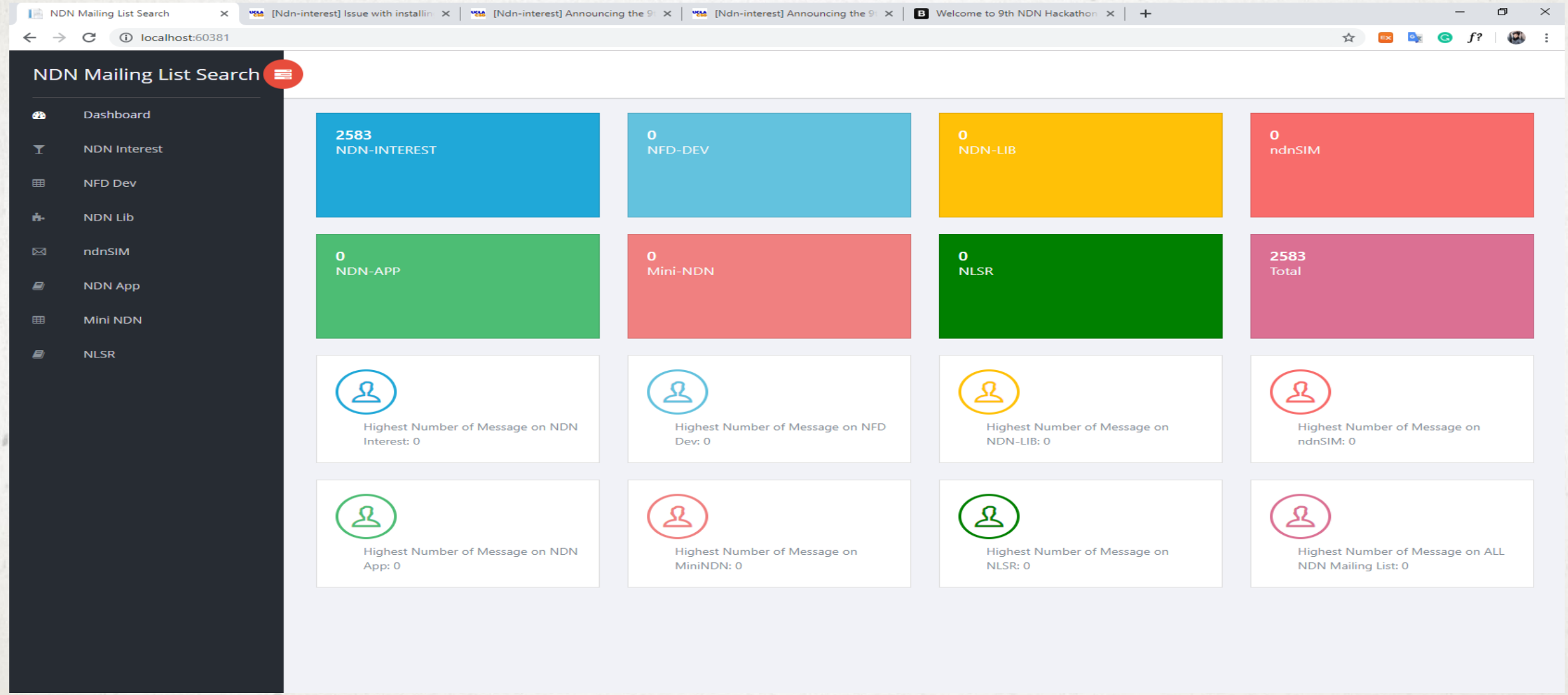


# Check For The Latest Updates Periodically (Questions/Answers)



# NDN Mailing List Search App (Web Search)



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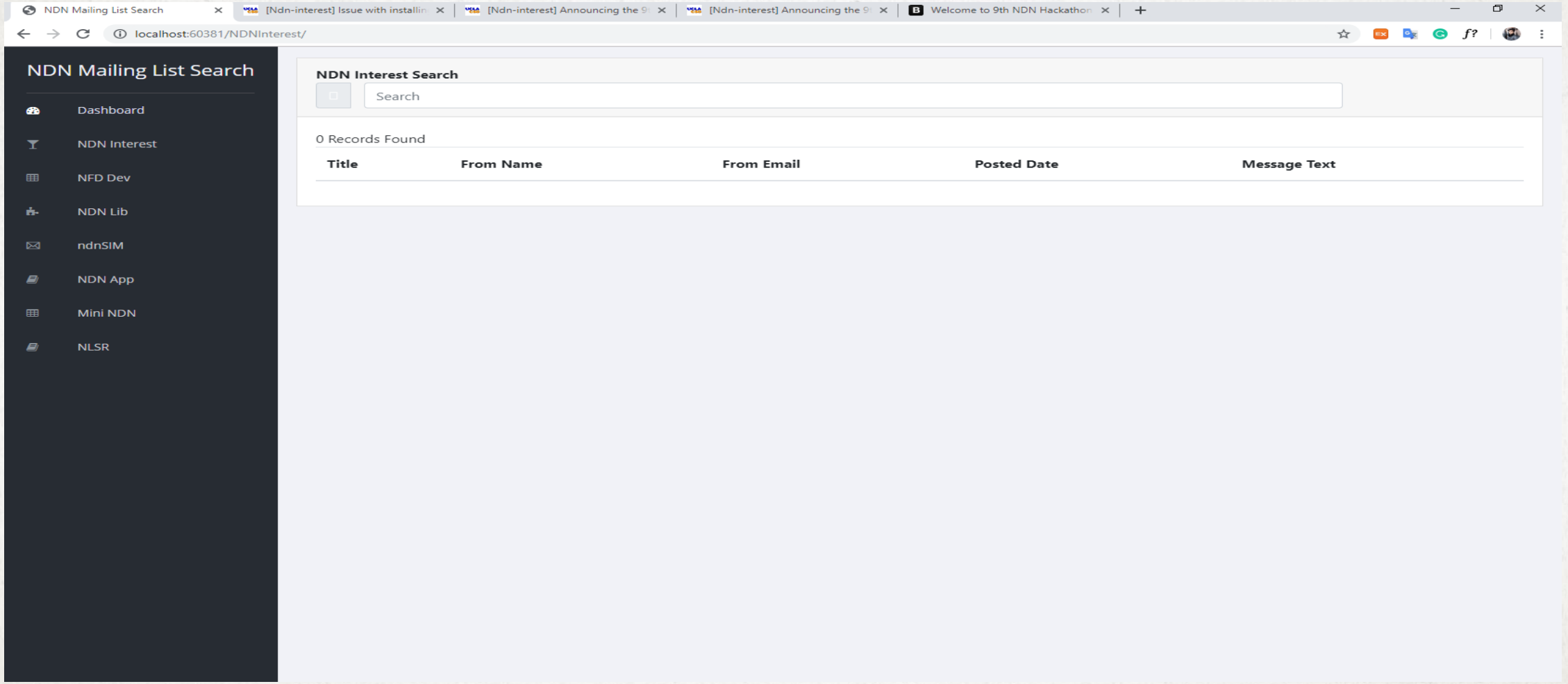

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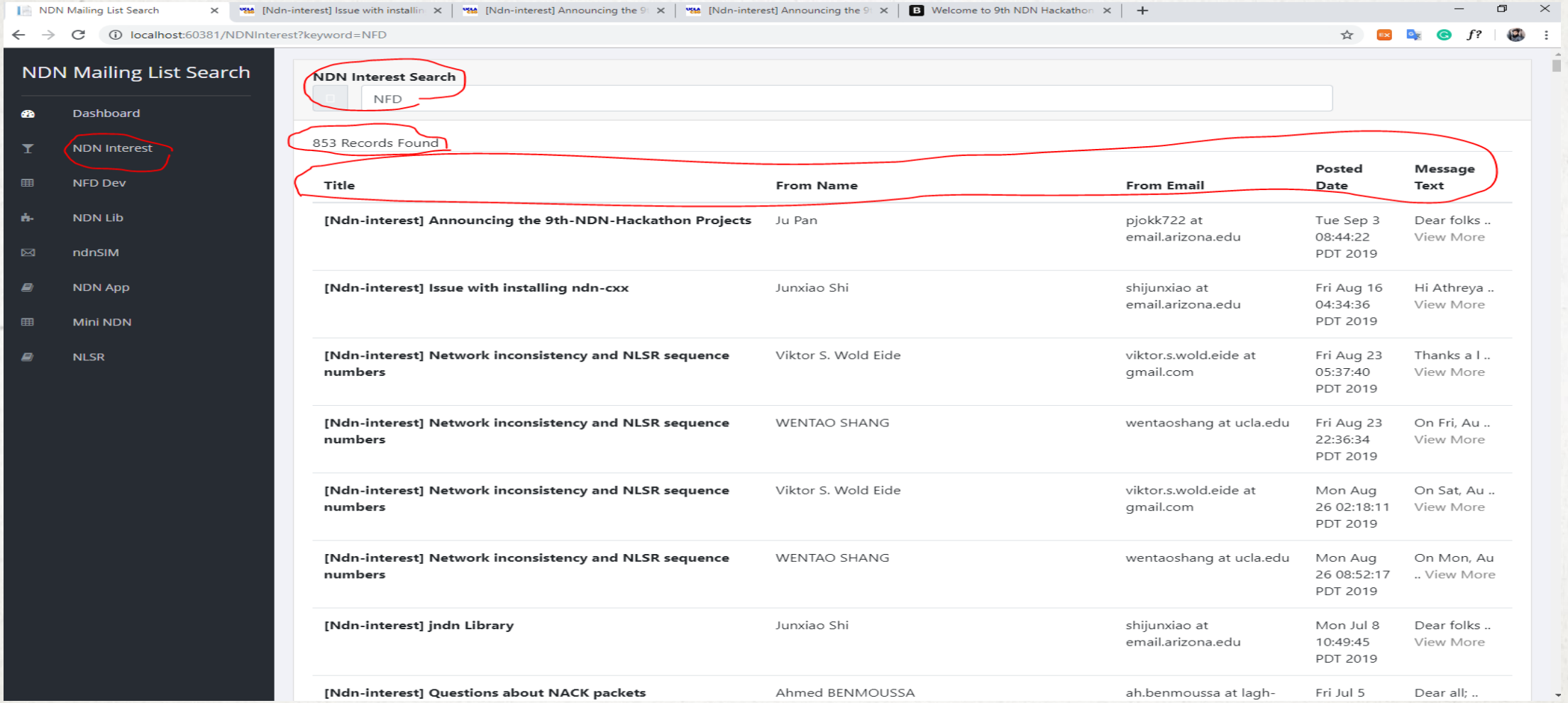
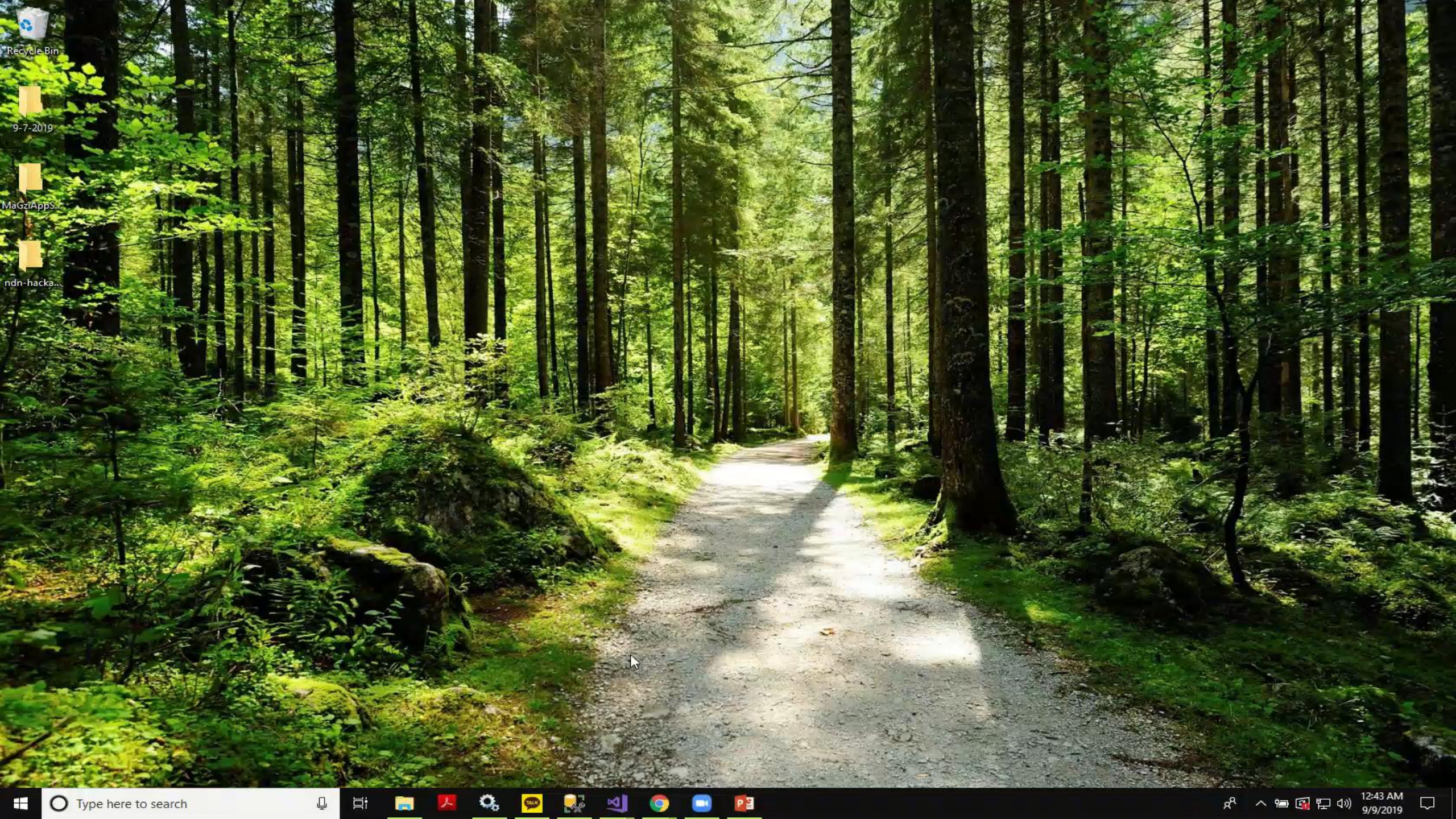


# DEMO


Recycle Bin
9-7-2019
MaGziAppS...
ndn-hacka...
Type here to search
12:43 AM
9/9/2019