ONAP Modeling/Etsicatalog

- **Introduction**
  - **Name:** Zihao Chen
  - **Location:** Beijing China
  - **University:** Beijing University of Posts and Telecommunications
  - **Mentor(s):** Yuanhong Deng
  - **LFN Project:** ONAP Modeling/etsicatalog
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› **Project Description:**
  - Provides VNF/PNF/NS package management service by Micro Service.
  - Includes a TOSCA parser service which provides generic parser service.
  - Store packages distributed by the SDC, which then can be consumed by other projects or components, such as UUI, VF-C, etc.
  - A standalone web application based on Python3 and Django framework.

› **Technologies, Frameworks, Tools**
  - DMAAP, Kubernetes
  - Django, Docker
  - Pycharm, Postman,
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Project Objectives: <what did you plan to do at the start?>

- Obj 1: support SDC Subscription/Notification functions
- Obj 2: design test case for SDC Subscription/Notification.
- Obj 3: Implement NFV/NS APIs alignment with ETSI
- Obj 4: Development documents and test report
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Project Deliverables:

- Deliverable 1: have supported SDC Subscription/Notification functions.
  - Thread pool
  - Rest-like APIs
- Deliverable 2: have designed test case for SDC functions.
  - Mock method
- Deliverable 3: have finished the documents and test report.
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› Project Execution & Accomplishments:
  > Not deliverables: Implement NFV/NS APIs alignment
  > proud of:
    a. Investigate open source development workflow, ONAP architecture.
    b. Complete part of the objectives.
    c. My work accepted as part of the project and contribute to open source projects
  > challenging:
    a. Complex document.
    b. Familiar with new tool and technologies.
    c. Consider the allocation and consumption of resources, such as thread, time.
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Recommendations for future work:

- Keep on implementing the NFV/NS APIs alignment with ETSI.
- Support more kinds of package that other component needed.
- Conduct system testing to ensure that all components work better.
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- **Project Output or Results:** <e.g. links to code, reports, demo or anything you created that would be of interest to the rest of the community>
  - SDC Sub/Notification
  - Etsicatalog SDC test case
  - SDC report and Testcase report
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Insights Gained:
- Access to the technology which used in the industry not in school
- Best practices
- Familiarity with open source development lifecycle
- Meeting amazing community and mentor
- Collaboration and Teamwork

Advice
- Sync with your mentor
- Make a stretch scheduler
THANK YOU!