Project Proposal:
Provet Cloud Stats for Apple Watch / Finnish Net Solutions Oy

1. Introduction
   - Provet Cloud (see [www.provet.info](http://www.provet.info)) is a veterinary practice management solution used across the veterinary clinics and hospitals in Europe.
   - Provet Cloud has various plug-ins, and it can be connected with different background systems.
   - With this project we’d like to introduce a small Apple Watch application displaying some of the most relevant statistics information for the veterinary hospital owner / manager.
   - This application needs to be highly usable and user friendly with very simple usage approach.

2. Project goals
   - Goal of the project is to implement a solution, which displays some of the key business metrics on the veterinary hospital / manager’s Apple Watch device.
   - Some of these statistics include for example:
     - Number of patients today (yesterday), this week (last week), this month (last month)
     - Revenue today (yesterday), this week (last week), this month (last month)
     - Customer satisfaction results average today (yesterday), this week (last week), this month (last month)
     - Some other key statistics, perhaps with some graphical presentations
   - Displaying personal data is restricted out of the scope of this project to avoid any GDPR issues.

3. Technologies
   - Apple Watch is the chosen device platform ([https://www.apple.com/fi/watch/](https://www.apple.com/fi/watch/))
   - Provet Cloud offers an REST API (see [http://support.provet.info/integrating-3rd-party-applications-to-the-provet-cloud/](http://support.provet.info/integrating-3rd-party-applications-to-the-provet-cloud/)) to access the required data from Provet Cloud.
   - Apple XCode is to be used for the development of the actual Watch app (See for example [https://www.codementor.io/swift/tutorial/7-beginner-resources-apple-watchkit-tutorial](https://www.codementor.io/swift/tutorial/7-beginner-resources-apple-watchkit-tutorial))
   - A back-end for the Apple Watch app is required to be built in the desired methods to offer data for the XCode app in desired form – team can choose to build this in chosen technology, but Python or PHP are the suggested ones.
     - Multi-tenant environment to support various REST API backends
     - Python or PHP development support can be provided by the company
   - Chosen authentication mechanism for the Watch app.
   - The Company has no previous experience of the XCode development, but has a lot of experience of the Python&PHP Development and REST APIs.
   - A Linux server for the back-end technology is offered for development purposes.

4. Requirements for the students
   - Some experience of the back-end development (with Python / PHP) required.
   - Knowledge of REST APIs is highly suggested.
   - Strong interest towards highly usable watch applications is required.
   - Difficulty of the project is estimated to be moderate.
5. Legal Issues

Intellectual Property Rights (IPR):

1. The results are published under open source license (mutually agreed one)

Non-disclosure agreement (NDA):

1. Signing the NDA included in the Aalto's contract template is not required.

6. Client

- Finnish Net Solutions (FNS, see [www.fns.fi](http://www.fns.fi)) is a growing company of 70+ employees
- We’re having an office in Innopoli, Espoo, for easy access to meet relevant company staff
- Provet Cloud product of FNS ([www.provet.info](http://www.provet.info)) is highly international product supporting 15+ languages. It's in use in over 20 different countries in the world.
- Some of the Provet Cloud senior team members will participate to the development and mentoring of the team. Technical specialists with strong REST API and backend development skills will be participating the project.
- Approximately one weekly meeting + daily on-line chat consultancy over Slack is to be offered for the team.
- We will offer 2 pcs of Apple Watch devices and a cloud server for the development team’s use during the project. Relevant access to the test Provet Cloud environment & technologies will be offered. Otherwise we will suggest open source tools to be used.

Client representative(s)

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7. Additional information

- Scrum model is supported by the company as it is in daily use in the company as well
- Language of the project is English or Finnish