

Assignments

Case assignments:

The goal of the case assignment is to raise interest to Financial Technologies and promote entrepreneurial thinking to see opportunities in the surrounding markets. Goal is that groups can start their innovation work from the beginning of the course and add details and new supporting ideas as course lectures deepen student's knowledge of financial markets and technologies.

Case assignment will be discussed in first lecture by OP Lab FinTech professionals. Topic will be "Embedded Finance": Definition of Embedded finance is **when non-financial companies** (or any company) offer their customers access to Financial Services through their technology platform. Some examples see:

- Klarna offering credit and other services
- Automobile dealers offering insurance and credit
- Retail businesses offering payments and cards

Possible steps to complete case work in the groups (this is example make your own plan in the groups)

Week 1-2: develop ideas who/what companies could provide financial services (banking, credit, payment, investments, insurance, pension...)

- Why, access to customers, large customer base
- Existing technology platform, mobile.....
- How financial services could support their current business, financial benefits,,,,

Week 3-4: Start thinking how regulation, different technologies etc. could support or limit above opportunities

Week 5-(6): Prepare final presentation, rehearse presentation and divide roles for group members. Prepare for questions from the other students and OP Lab people

Note: this should not be detailed feasibility study with in detailed market study nor technology plan in detail. The purpose is the promote "First Principle Thinking" in the line Elon Musk has done with Tesla car and paypal or Apple has done with touchphone. Do not limit to improve existing try to think something undoable new! Keep it at the high-level.

Example Elon Musk's thinking [Elon Musks' "3-Step" First Principles Thinking: How to Think and Solve Difficult Problems Like a Genius | by Mayo Oshin | Mission.org | Medium](#)

In your case you might build the case as follows

- 1) What do you want to achieve
- 2) To whom your solution idea would be relevant and how it would help them
- 3) What are the problems you want to solve
- 4) What are the possible obstacles
- 5) Step by step solution how to resolve above (identify means, technologies and solutions but remember feasibility study, technology details etc. are not needed)

- 6) Identify and give examples how real companies could provide embedded finance to solve these problems

Case can be either one problem – solution – example company to provide solutions or two separate cases with less detailed analysis and report.

Group size

The assignment is to be done in groups of approximately five students. Collaboration between different groups is prohibited. Groups are assigned by instructor with the idea that groups would have diversity in academic background (business vs engineering etc.)

Deadlines and main deliveries

There will be case assignments to be presented on the day of the respective student-led case sessions 28.5.2024 and 30.5.2024. Deadline for all written case presentations (pdf document) will be 26.5.2024 regardless of day group is presenting orally their case results. Expected deliveries are as follows:

- Written report as described later in pdf format. Case reports (presentable version in .pdf) must be submitted on MyCourses by 11:45 (sharp!) on the due date
- Oral presentation as assigned later for each group in the scheduled course meeting times on 28.5.2024 and 30.5.2024. It is expected that presentation is supported by Power point presentation which should be submitted on MyCourses prior presentation time. It is also expected that everyone in the group will contribute to actual presentation. Length of the presentation will be defined later as we know ow many groups we will have in total
- The actual results and presentation will be graded by instructor. In addition group members are expected to provide valuation of contribution of each member into group work. OP Lab representatives read reports and follow presentations based on which they also provide feedback.

Written report

Written report is expected to be approximately 5-6 pages (2000- 3000 words), for the content follow the instructions above

Case Presentation

Case presentation will be 10-15 minutes (depending on number of groups). For the presentation prepare Powerpoint presentation and divide presentation so that all group members will participate. Presentation format is free but all presentations and feedback are as follows.

- 1) Group presentation 10-15 minutes
- 2) Instructor and OP Lab feedback and questions 5 minutes
- 3) Questions and feedback from audience up to 5 minutes

Grading

Individual grades will be based on group final report and presentation.

Book Review

Deadlines and main Deliveries

Bank 4.0: Banking Everywhere, Never at a Bank by Brett King

Deadline for all written book views (pdf document) will be 15.5.2024. Expected deliveries are as follows:

- Written book review as described later in pdf format. Reports (presentable version in .pdf) must be submitted on MyCourses by 11:45 (sharp!) on the due date

Written report

Written report is expected to be approximately 2 pages (up to 1000 words), for the content follow the instructions above

How to write a book review

- Start with a couple of sentences describing what the book is about.
- Discuss what you particularly liked about the book related to content, way things were presented
- Mention anything you disliked about the book.
- Give a specific example of something in the book that is relevant or inspiring to you. How reading the book may impact your thinking and career
- What is your take away from book example
 - What new technologies will be used in the future
 - What is to future of the Financial Industry – what is the role of Technology o Can companies continue their business as of today – Why not and yes
 - Other take aways and important observations
 - Round up your review.
 - You can give the book a rating, for example a mark out of five or ten, if you like

Quest Lecture Summary x 2 (Tentative Instructions to be confirmed after each quest lecture)

Deadlines and main Deliveries

Students are required to submit short summary of quest lectures

1. Lecture by Mikko Hyppönen 21.5.2024 (Cyber Security)
2. Lecture by Mikio Nakamura 2.5.2024 (Quantum Computing)

Deadline for all written summaries (pdf document) will be due one week after lecture. Expected deliveries are as follows:

- Quest lecture summary as described later in pdf format. Reports (presentable version in .pdf) must be submitted on MyCourses by 11:45 (sharp!) on the due date

Written report

Written report is expected to be approximately 1 page (up to 500 words), for the content follow the instructions above

How to write a Lecture Summary

- Start with a couple of sentences describing what the lecture is about.
- Discuss what you particularly liked about the lecture related to content, way things were presented
- Give a specific example of something in the lecture that is relevant or inspiring to you. How lecture may impact your thinking and career
- What is your take away from lecture example (more detailed questions provided after lecture)
 - *What is the future importance on cyber security is world changing?*
 - *How new technologies such as Quantum Computing can help Financial Industry to make better and more precise decisions*
- Round up your review.