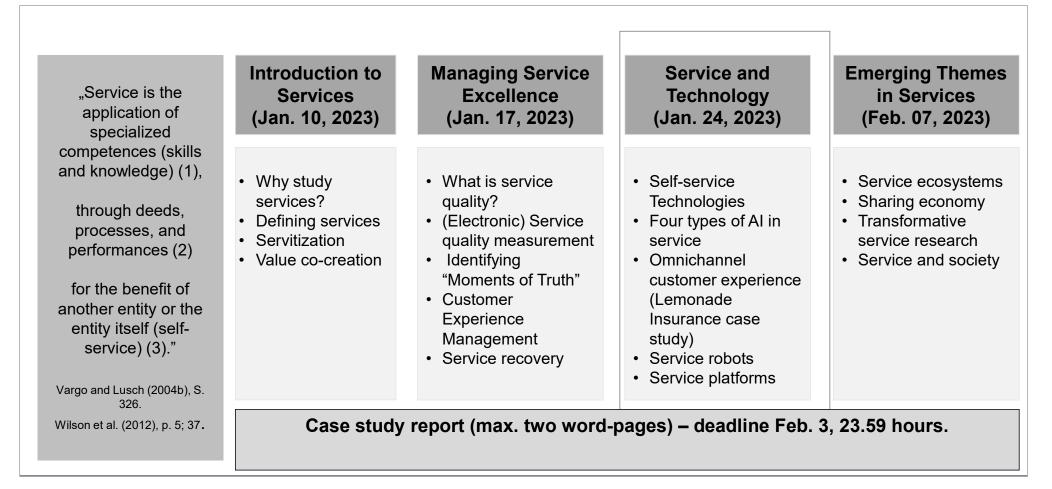


# MARK- E0010 Technology-driven Service Strategy: Thematic Package 3 "Service and Technology" 24.01.2023

Spring 2023 09.01.2023 - 26.02.2023

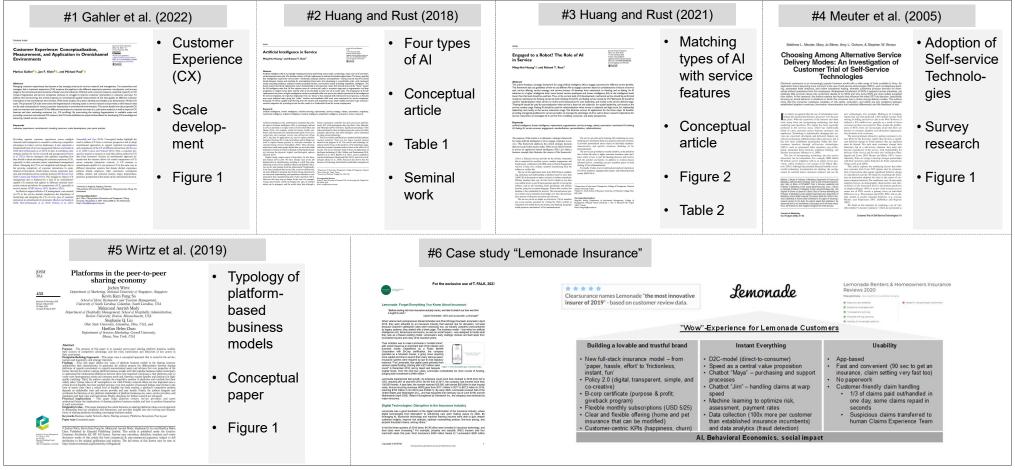
Henriikka Seittu (Teacher-in-charge, primary contact), PhD Candidate, M.Sc. Prof. Dr. Tomas Falk (Teacher-in-charge) Department of Marketing

# **Technology-driven Service Strategy – Contents**





#### Technology-driven Service Strategy Reading Package #3 "Service and Technology" – Overview





#### Technology-driven Service Strategy Service and Technology – Customer Experience in Omnichannel Environments



"An experience is not an amorphous construct; it is as real an offering as any service, good, or commodity" (Pine and Gilmore 1998, p. 98).

#### **Ongoing Trends:**

- Customers interact with firms through a myriad of touchpoints in multiple channels and media
- Omnichannel management is the new normal
- Firms have less control of customer journeys (growing volume of customer-to-customer interactions and social media use)

#### **Resulting Challenge:**

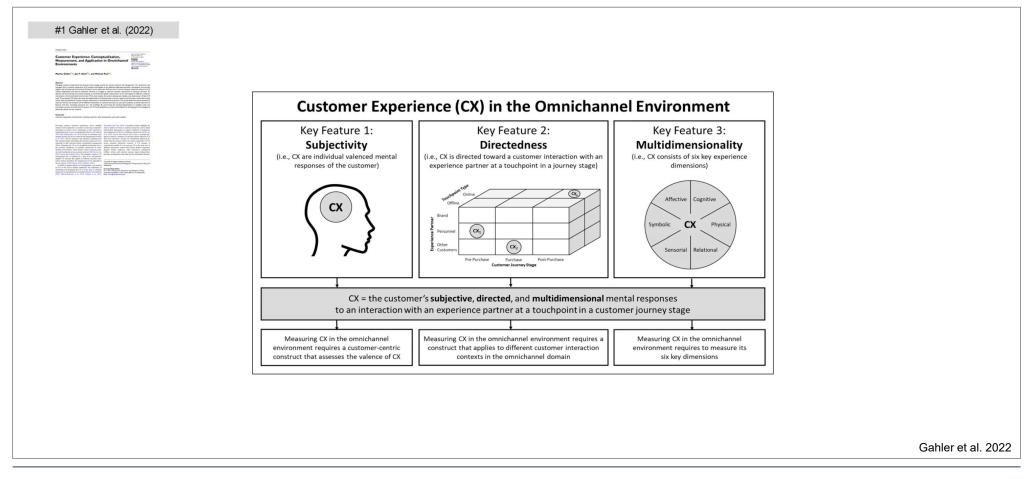
"It has become increasingly complex for firms to create, manage, and attempt to control the experience and journey of each customer" (Lemon and Verhoef 2016, p. 69).

Lemon and Verhoef (2016), "Understanding customer experience throughout the customer journey," *Journal of Marketing*, 80 (6), pp.69-96.

Brynjolfsson et al. (2013), "Competing in the age of omnichannel retailing, Cambridge, MA: MIT..



#### **Technology-driven Service Strategy** Service and Technology – Customer Experience in Omnichannel Environments





#### Technology-driven Service Strategy Service and Technology – Customer Experience in Omnichannel Environments

CX responses							
Affective	Cognitive	Physical	Relational	Sensorial	Symbolic		
Emotions, feelings, and moods a customer perceives during the interaction with a brand, employees, or other customers.	Customer's intellectual stimulation and learning during an interaction.	Customer's perception of his or her body movement and body position during an interaction.	Customer's perception of his or her relationships to someone (employees, other customers) or something (brands) during the customer interaction.	Sensory qualities of a customer interaction that reflect uses of the five senses: vision, audition, tactile sense, scent, and/or sense of taste.	Customer's self- affirmation and self- expression during the interaction.		
<ol> <li>Good emotions</li> <li>Positive feelings</li> <li>Good mood</li> </ol>	<ol> <li>Intellectual stimulation</li> <li>Learning something beneficial</li> <li>Positive insights</li> </ol>	<ol> <li>Pleasant bodily movements</li> <li>Actively moving in a likeable manner</li> <li>Active in a likeable manner</li> </ol>	<ol> <li>Establishing a personal relationship</li> <li>Positive connection</li> <li>Belonging to a community</li> </ol>	<ol> <li>Positive sensory appeal</li> <li>Good sensory impressions</li> <li>Positive engage- ment of senses</li> </ol>	<ol> <li>Contact in line with personal values</li> <li>Confirmation of personal beliefs</li> <li>Contact in line with self-image</li> </ol>		



Gahler et al. 2022



Artificial intelligence (AI) refers to intelligence demonstrated by machines and represents the counterpart of natural intelligence (NI) displayed by humans and animals (Russel and Norvig 2010).

"Literature considers intelligence as the ability to learn from experience and adapt to the environment" (Huang and Rust 2018, p. 2).



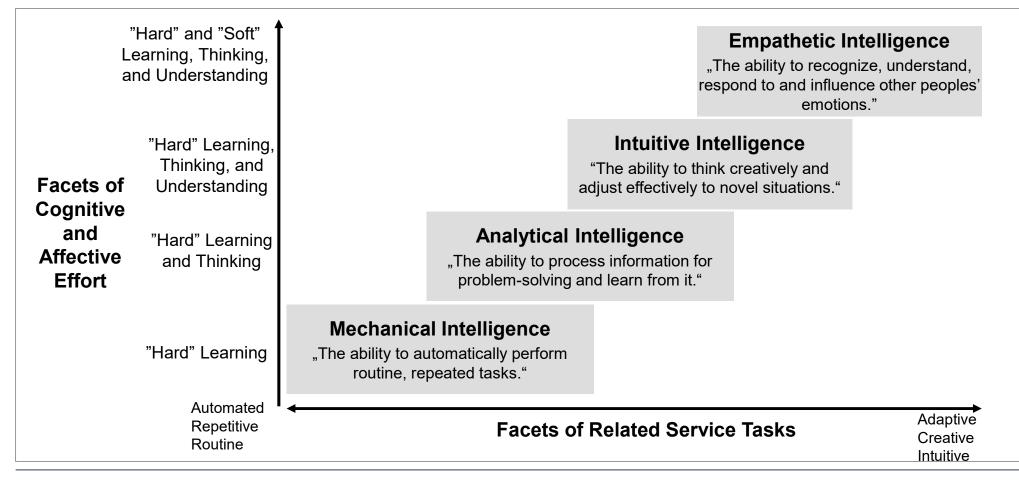
"Artifical intelligence (AI) (…) is increasingly utilized in service (…). For example, robots for homes, health care, hotels, and restaurants have automated many parts of our lives, virtual bots turn customer service into self-service, big data AI applications are used to replace portfolio managers, and social robots such as Pepper are used to replace human greeters to welcome customers in customer-facing services" (Huang and Rust 2018, p. 1).



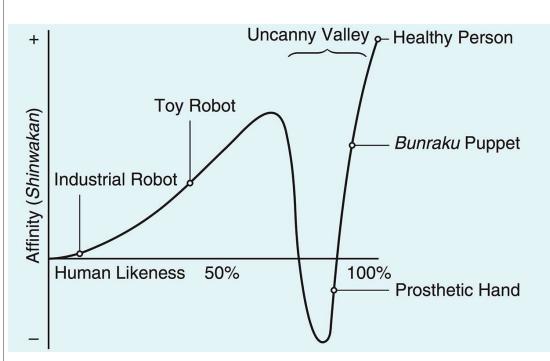
https://www.inquisitr.com/3133308/youre-fired-pizza-hut-hires-softbanks-pepper-apple-supplier-replaces-60000-workers-with-robots/ https://www.quora.com/Are-there-any-medical-uses-of-robots-not-included-in-this-cool-infographic-Robotics-in-Healthcare



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Mori, M., MacDorman, K. F., & Kageki, N. (2012). The uncanny valley [from the field]. *IEEE Robotics & Automation Magazine*, *19*(2), 98-100.

https://spectrum.ieee.org/automaton/robotics/humanoids/what-is-the-uncanny-valley

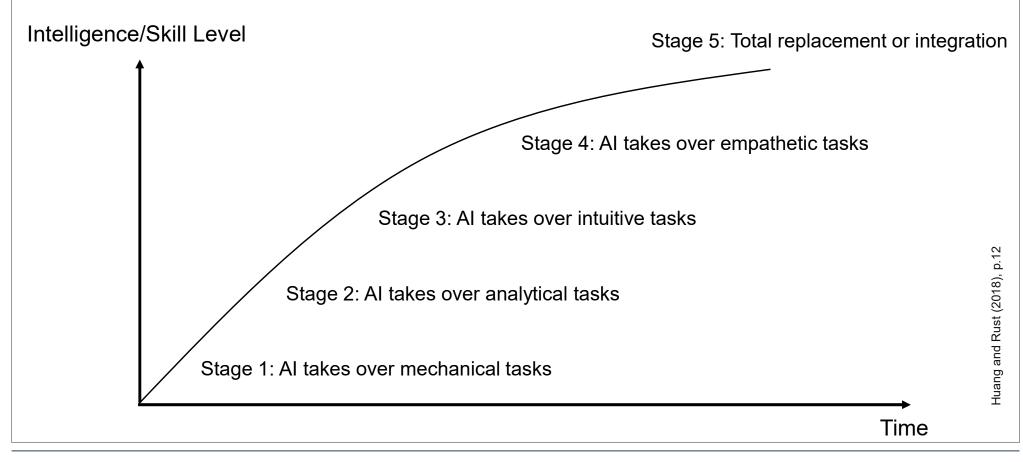
- As a robot's human likeness (horizontal axis) increases, our affinity towards the robot (vertical axis) increases too, but only up to a certain point.
- For some lifelike robots, our response to them plunges, and they appear repulsive or creepy.
- $\rightarrow$  That's the uncanny valley.



Sophia the Robot

Geminoid HI-1







#### Technology-driven Service Strategy Service and Technology – Self-Service Technologies



Self-service technologies (SSTs) are technological interfaces that enable customers to produce a service independent of direct service employee

involvement (Meuter et al. 2000).



www.shutterstock.com



https://insideretail.asia/2015/11/09/singapore-government-backs-self-service-technology/



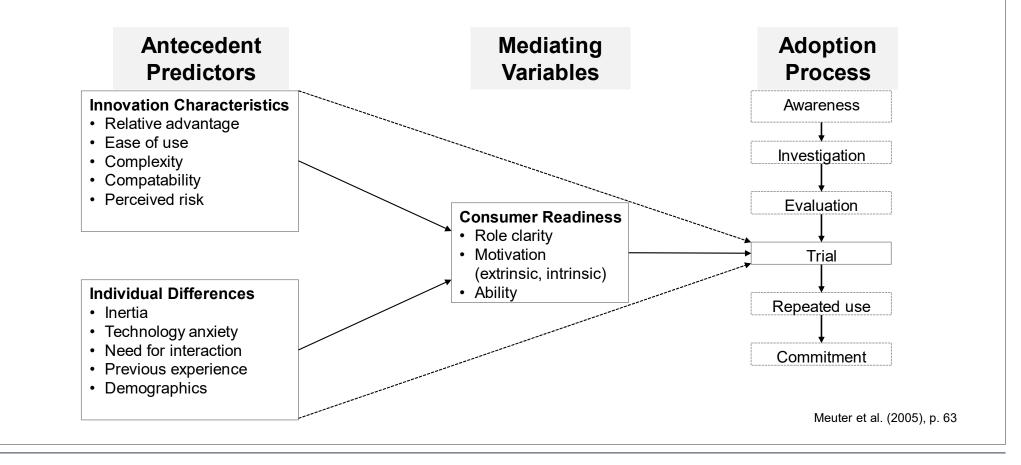
https://www.passengerselfservice.com/2014/05/finnairlaunches-scanfly-self-service-bagdrop-at-helsinki/



Aalto University School of Business

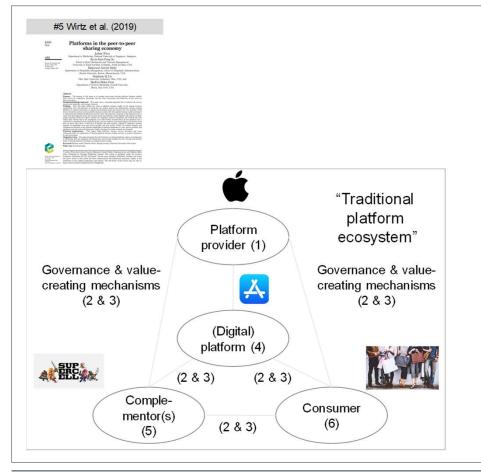
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#### Technology-driven Service Strategy Service and Technology – Self-Service Technologies





#### Technology-driven Service Strategy Service and Technology – Platform-based Business Models



"A digital platform ecosystem comprises a platform owner (or provider) (1)

that implements governance mechanisms (2)

to facilitate value-creating mechanisms (3)

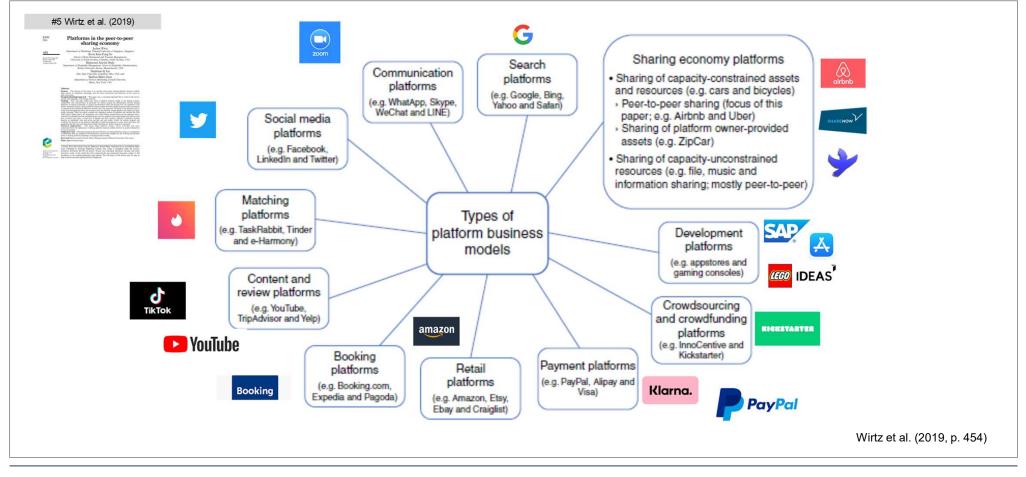
```
on a digital platform (4)
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between the platform owner and an ecosystem of autonomous complementors (5) and

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CONSUMERS (6)" (Hein et al. 2019).
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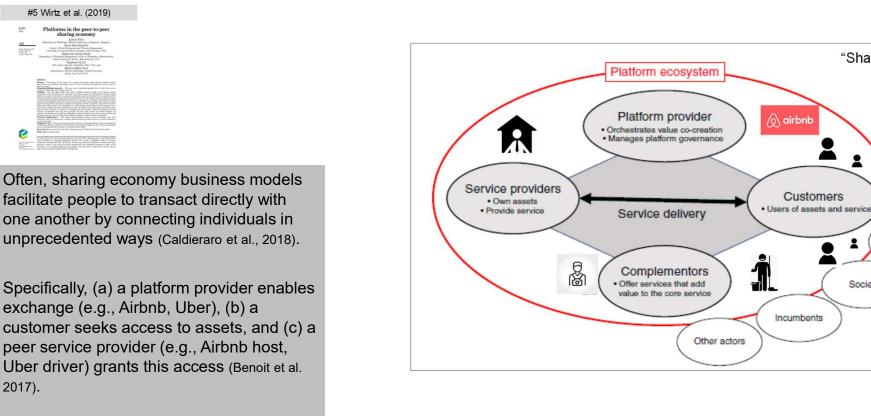


#### **Technology-driven Service Strategy** Service and Technology – Platform-based Business Models





#### **Technology-driven Service Strategy** Service and Technology – Platform-based Business Models



Adapted based on Wirtz et al. (2019), p. 467

2

Society

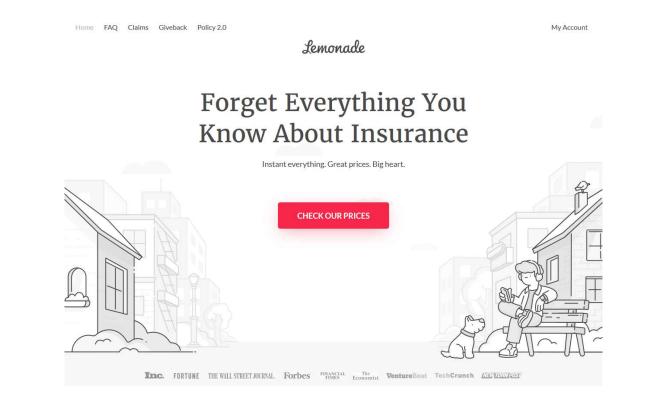


"Sharing economy

platforms"

Regulator/

policy maker



#### https://www.lemonade.com



#### Lemonade – Timeline and Development



2015	Founded by Daniel Schreiber, Shai Winninger, and Ty Sagalow
2016	Several successful funding rounds granting funding from Sequoia Capital, XL Innovate, Thrive Capital, Tusk Ventures, and GV (formerly Google Ventures)
	Lemonade is granted a B-Corp certification establishing the company as a Public Benefit Corporation
	Prof. Dan Ariely (Prof. of Psych. and Behavioral Econ., Duke University) joins as Chief Behavioral Economist
2017	In a Series C round of funding, Lemonade attracts additional investors such as Allianz, Softbank and actor Ashton Kutcher and increases the total funding raised to USD 180 million
2018	Lemonade insures more than 425.000 homes with almost USD 50 bn in total insured value
2019	Series D round of funding adds another USD 300 million of funds
2020	Lemonade becomes a public company (IPO on July 1 at USD 29)
2021-23	Lemonade operates in the US, France, Germany, and the Netherlands Revenue: USD 128 million (Dec. 2021) Net loss: USD 241 million (Dec. 2021) Employees: 1.119 (Dec. 2021) Acquisition of Metromile for approx. USD 500 million (pay-per-mile car insurance) announced in Nov. 2021 Stock price (Feb. 08, 2021): USD 163,93; Stock price (Jan. 20, 2023): USD 15,12



https://investor.lemonade.com/home/default.aspx; https://en.wikipedia.org/wiki/Lemonade,\_Inc.

#### \*\*\*\*

Clearsurance names Lemonade "the most innovative insurer of 2019" - based on customer review data.

Lemonade

"Wow"-Experience for Lemonade Customers

#### Lemonade Renters & Homeowners Insurance Reviews 2020

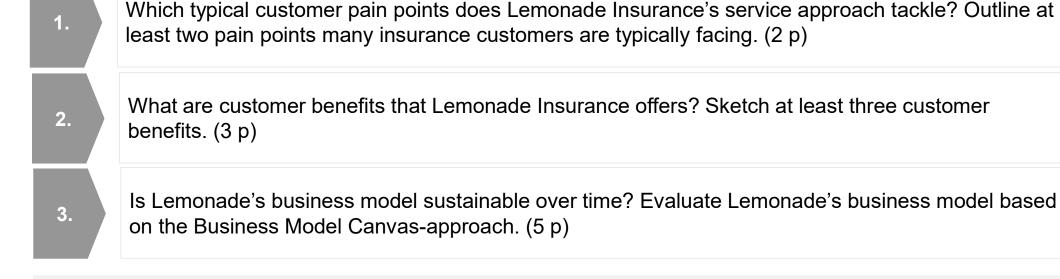
Pros and Cons - Sourced from customer reviews

- 8 Doesn't reward loyal customers
- Easy-to-use websiteExplains coverage well
- Transparent pricing
- Flexible billing options
- Variety of coverage options

Building a lovable and trustful brand	Instant Everything	Usability
<ul> <li>New full-stack insurance model – from 'paper, hassle, effort' to 'frictionless, instant, fun'</li> <li>Policy 2.0 (digital, transparent, simple, and co-creative)</li> <li>B-corp certificate (purpose &amp; profit; giveback program)</li> <li>Flexible monthly subscriptions (USD 5/25)</li> <li>Clear and flexible offering (home and pet insurance that can be modified)</li> <li>Customer-centric KPIs (happiness, churn)</li> </ul>	<ul> <li>D2C-model (direct-to-consumer)</li> <li>Speed as a central value proposition</li> <li>Chatbot "Maya" – purchasing and support processes</li> <li>Chatbot "Jim" – handling claims at warp speed</li> <li>Machine learning to optimize risk, assessment, payment rates</li> <li>Data collection (100x more per customer than established insurance incumbents) and data analytics (fraud detection)</li> </ul>	<ul> <li>App-based</li> <li>Fast and convenient (90 sec to get an insurance, claim settling very fast too)</li> <li>No paperwork</li> <li>Customer-friendly claim handling <ul> <li>1/3 of claims paid out/handled in one day, some claims repaid in seconds</li> <li>Suspicious claims transferred to human Claims Experience Team</li> </ul> </li> </ul>



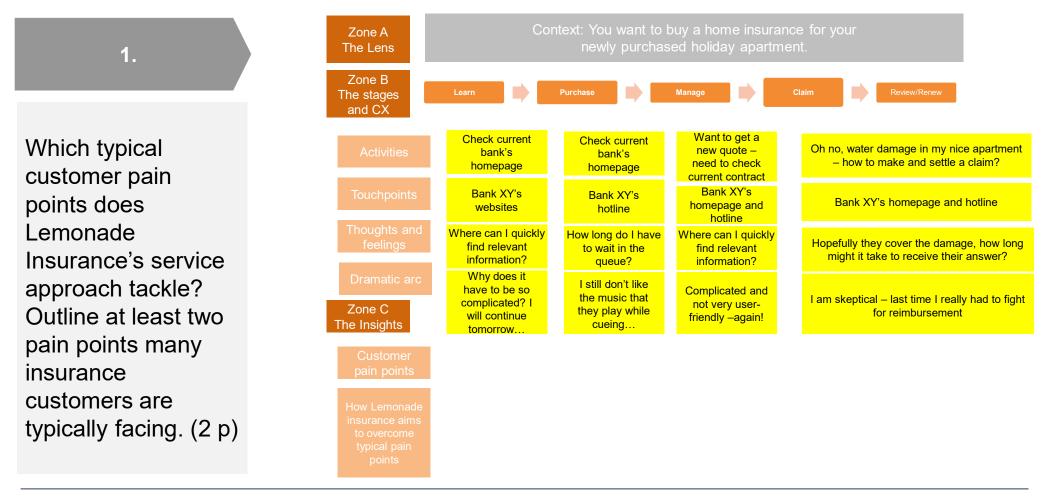
Case study questions



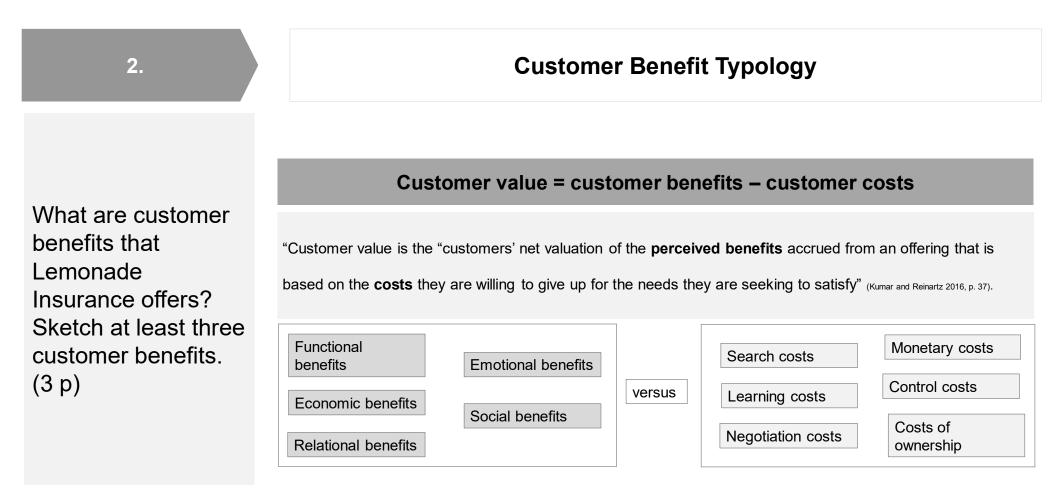
Answer the three case study questions in a max. two-page word document. You may use tables or charts, but they are not required. The task is designed as an individual work.

The deadline for submitting the case study report is February. 3, 2023, 23.59 Finnish time. Please upload your answer document to the respective assignment box on the MyCourses homepage. Do not forget to clearly indicate your name on the submission and the respective files!

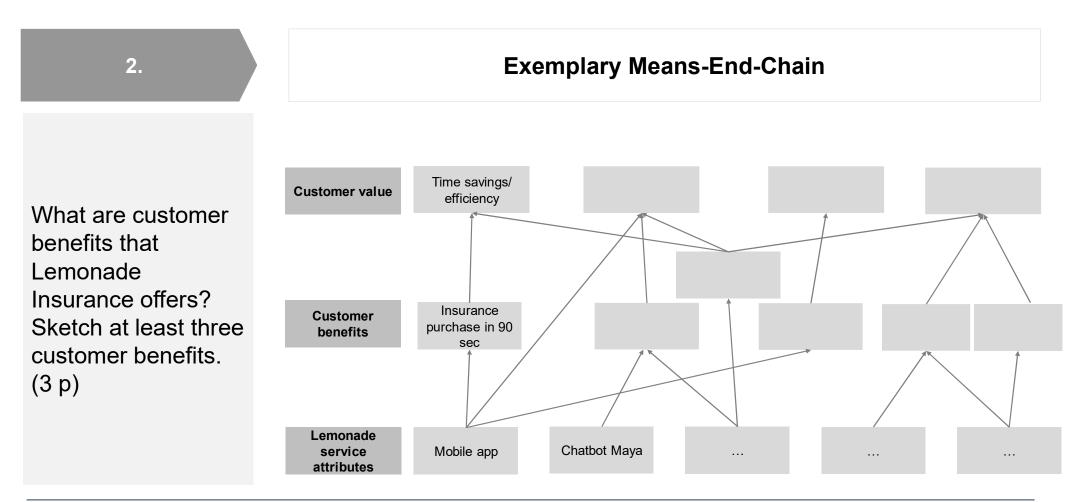














Is Lemonade's business model sustainable over time? Evaluate Lemonade's business model based on the Business Model Canvas-approach. (5 p)



#### Based on Osterwalder and Pigneur, see www.strategizer.com



3.

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# **Technology-driven Service Strategy – Contents**

