User (Email, shared_subscription -> Subscription (Email)) * only for premium subscription type
User_phone (owner -> User (Email), phone_number)
User_Subscription (user → User (Email), subscription → Subscription (Email), payment_type)
Subscription (Email, start-date, end-date, type -> Type (SD))
Type (SD, type-name) *either 'standard' or 'premium'
Superwarket (name, owner, year)
Branch (SD, Sname → Supermarket (name), Sowner → Supermarket (owner), city, postal_code)
Custoner (SD name city)
Loyalty Membership ($\underline{bID} \rightarrow Branch (ID)$, $\underline{bSname} \rightarrow Branch (Sname)$, $\underline{bSowner} \rightarrow Branch (Sowner)$,
<u>cID</u> → Customer(ID), status, date_enrolled)
Supplier (tax-number, name)
Supplier_phone (phone_number, owner -> Supplier (tax-number))
Supplier - Supermarket ($supplier \rightarrow Supplier (tax-number)$, $supermarket (name)$,
<u>sowner</u> → Supermarket (owner))
CCODEY -> SCHAME, SSN, CADDR, CHASIL, CPHONE, BDATEY
HSSNY→1CNAME CCODE (ADDR CMATL CAKONE BOATE)
BCODEY → BGTY, BADDR, BMASL, BPHONEY
BCODEY → BGTY, BADDR, BMASL, BPHONEY BGTY, BADDRY → BCODE, BMASL, BPHONEY
JUNUMY → JUAMOUNT, LOUSTOMER, LBRANCHY
JPLOAN, PNUMY → JPDATE, PAMOUNT, PBRANCHY

	BRANCH (BCODE BCITY BADDR BUNGL BPHONE)
	BRANCH (<u>BCODE</u> , BCITY, BADDR, BWASIL, BPHONE) LOAN (<u>LUMM</u> , LAMOUNT, LCUSTOMER → CUSTOMER (CCODE), LBRANCH→BRANCH (BCODE) PAYMENT (PDATE, PAMOUNT, PBRANCH →BRANCH (BCODE), <u>PLOAN</u> → LOAN (LNUM), <u>PNUM</u>)
	PAYMENT (PDATE PAMOUNT PBRANCK - BRANCH (BCODE) PLOAN - LOAN (LNUM) PNUM)
	,,,
Task 3.1.	Atomicity of attributes can be taken for granted.
	Atomicity of attributes can be taken for granted. The relation is at most INF since there are dependencies with determinants which are
	proper subsets of caudidate keys (not LNF) or are non-caudidate keys (not 3NF).
	proper subsets of caudidate keys (not LNF) or are non-caudidate keys (not 3NF). Since there is no primary key set identified, this relation can be considered to be in LNF
	if this is not required, but also not in 1NF if it is required.
Task 3.2.	(Jull) INF:
	course_id title dept_name credits sec_id semester year building room_number capacity time_slot_id
	JAF:

Ititle, dept_name, credits dependent on sourse_id sourse_id, sec_id, semester, year is course_id title dept_name credits course_id sec_id semester year building room_number capacity time_slot_id

Task 22 CUSTOMER (CNAME, CCODE, SSN, CADDR, CHASL, CPHONE, BDATE)

{capacity ! dependent on {building, room_number ! f course_id, sec_id, semester, year ! course_id title dept_name credits building room_number capacity course_id sec_id semester year time_slot_id Task 4.1. Anatomicity of attributes not achieved (Indo),=) The table is not in INF. Task 4.2. 1NF:

Student_SD First Name Last Name Course Credits Grade ffirst Name, Last Namely dependent on f Student_JD1 ⊆ Student_JD, Course 1
{Credits | dependent on {Course 1 ⊆ Student_JD, Course 1 Student_SD First Name Last Name Course Credits Student_SD Course Grade 3NF: No non-key attributes depend on non-candidate key attributes => same as 2NF Student_SD First Name Last Name Course Credits Student_SD Course Grade