



Lab Report Cover Page

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| Course Number | CPS510 |
| Course Title | Database Systems I |
| Semester/Year | F2020 |
| Instructor | Dr. A. Abhari |
| TA Name | Haytham Qushtom |

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| Assignment/Lab Report No. | 6 |
| Report Title | Normalization of the Database/ Functional Dependencies |

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| Section No. | 8 |
| Group No. | 9 |
| Submission Date | November 3, 2020 |
| Due Date | November 3, 2020 |

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Functional Dependencies:

Customer:

Customer_id \rightarrow customer_name, customer_email, customer_phone, customer_address

Customer_email \rightarrow customer_id, customer_name, customer_phone, customer_address

Courier:

Courier_id \rightarrow courier_web, courier_name, courier_phone

Courier_name \rightarrow courier_id, courier_web, courier_phone

Seller:

Seller_id \rightarrow seller_address, seller_phone, seller_name, seller_email

Seller_name \rightarrow seller_id, seller_address, seller_phone, seller_email

Product_category:

Category_id \rightarrow category_name

Brand:

Brand_id \rightarrow brand_name

Payment:

Payment_id \rightarrow payment_date, payment_type, amount, customer_id

Cart:

Cart_id \rightarrow cart_status, total_price, courier_id, payment_id, service_level, tracking_number

Product:

Product_id \rightarrow product_name, product_count, price, seller_id, brand_id, category_id

Contains_product:

(product_id, cart_id) \rightarrow amount