DataBase Management System
-Zoo Management

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Overview

Expected delivery
December 2020

Recent progress
- Done with problem statement
- Synopsis for problem statement

Problem Definition

- This project is based on the various information related to the animal and the workers which are present in the zoo.

- The purpose of this project is to develop a interface in which all details of employees can be managed along with the recent updations of animals in the zoo.

- The ticket generation and prices for the public along with animal details can be displayed

- Precisely a database to store all animal details and employee details who work in zoo.

Requirement Specifications

Administration features

• Add/Edit/Update/view employee details

• Add/Edit/update/view animal guide

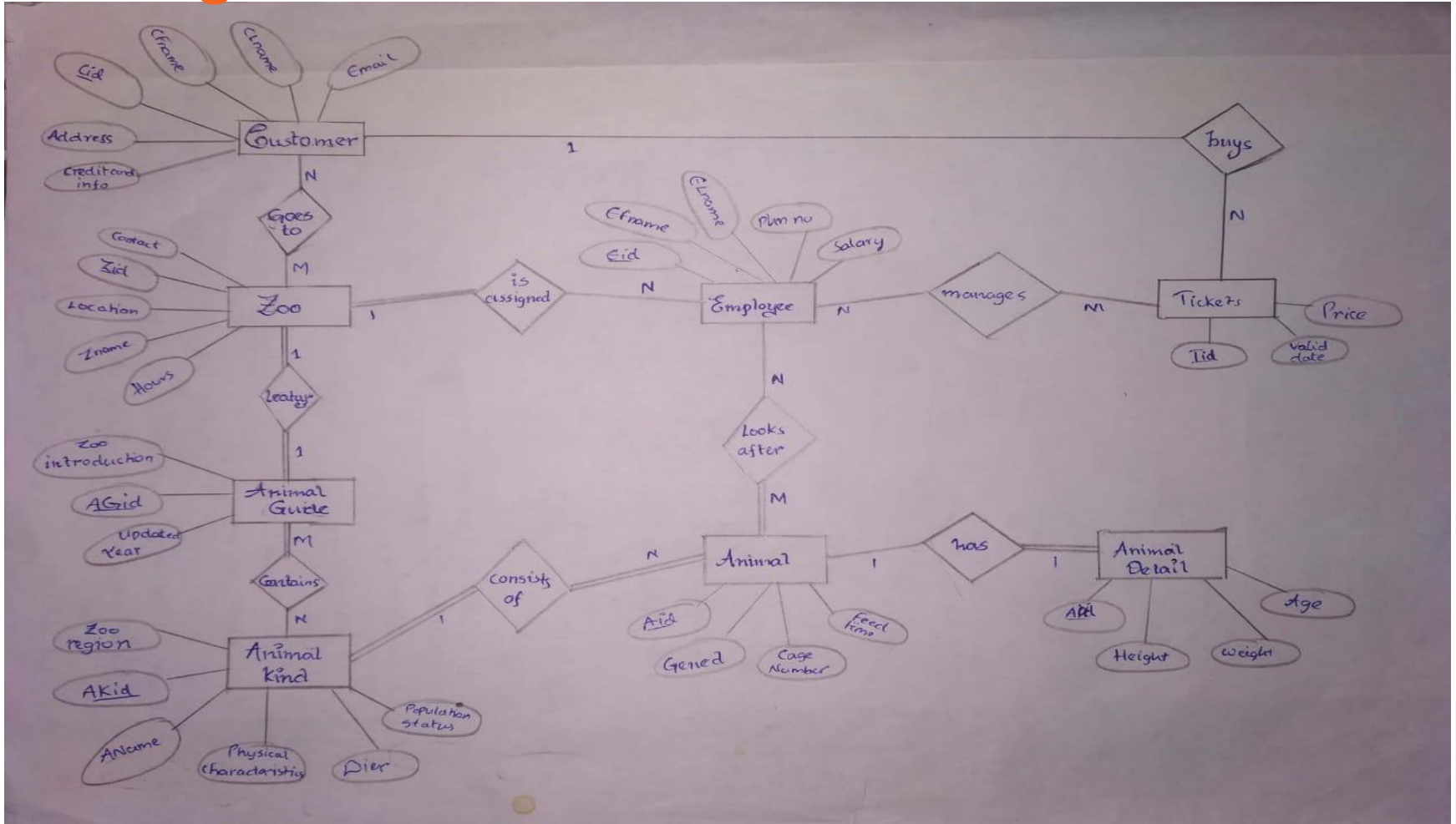• Add/Edit/update/view animal kind/animal

Visitor features

• Search for animal

• Visitor ticket prices/timings

• user view

Employee features:

• Add/Edit/update/view animal detail

• Add/Edit/update/view animal kind/animal

ER Diagram

Entities-Attributes

Table CUSTOMER:

represents customers who visit to the zoo

Table TICKET:

represents valid zoo tickets from associated zoo

Table EMPLOYEE:

represents employees who work at associated zoo

Table ANIMAL_GUIDE:

represents the animal guide offered by associated zoo, which introduced the information of zoo and links to information of animal kind

Entities-Attributes

Table ZOO:

represents zoo where customers go to and employees work at

Table ANIMAL_KIND:

represents the list of animal kinds with corresponding information from associated animal guide

Table ANIMAL:

represents the animal information

Table ANIMAL_DETAIL:

represents the additional detail information of animal

Schema-Conversion

Customer

Cid	CFname	CLname	Email	Address	Credit-card-info

Ticket

Tid	Price	Valid-date	Cid (FK)

Employee

Eid	EFname	ELname	Phn-no	Salary	Zid (FK)

Zoo

Zid	Zname	Location	Hours	Contact	AGid (FK)

Animal kind

AKid	AName	Physical-Characterstics	Zoo region	Diet	Population_status

Animal

Aid	Gender	Cage-Number	Feed_Time	AKid (FK)

Animal detail

ADid	Height	Weight	Age	Aid (FK)

Animal Guide

AGid	Zoo introduction	Update_Year

Goes-to

Cid (FK)	Zid (FK)

Manages

Eid (FK)	Tid (FK)

Looks-After

Eid (FK)	Aid (FK)

Contains
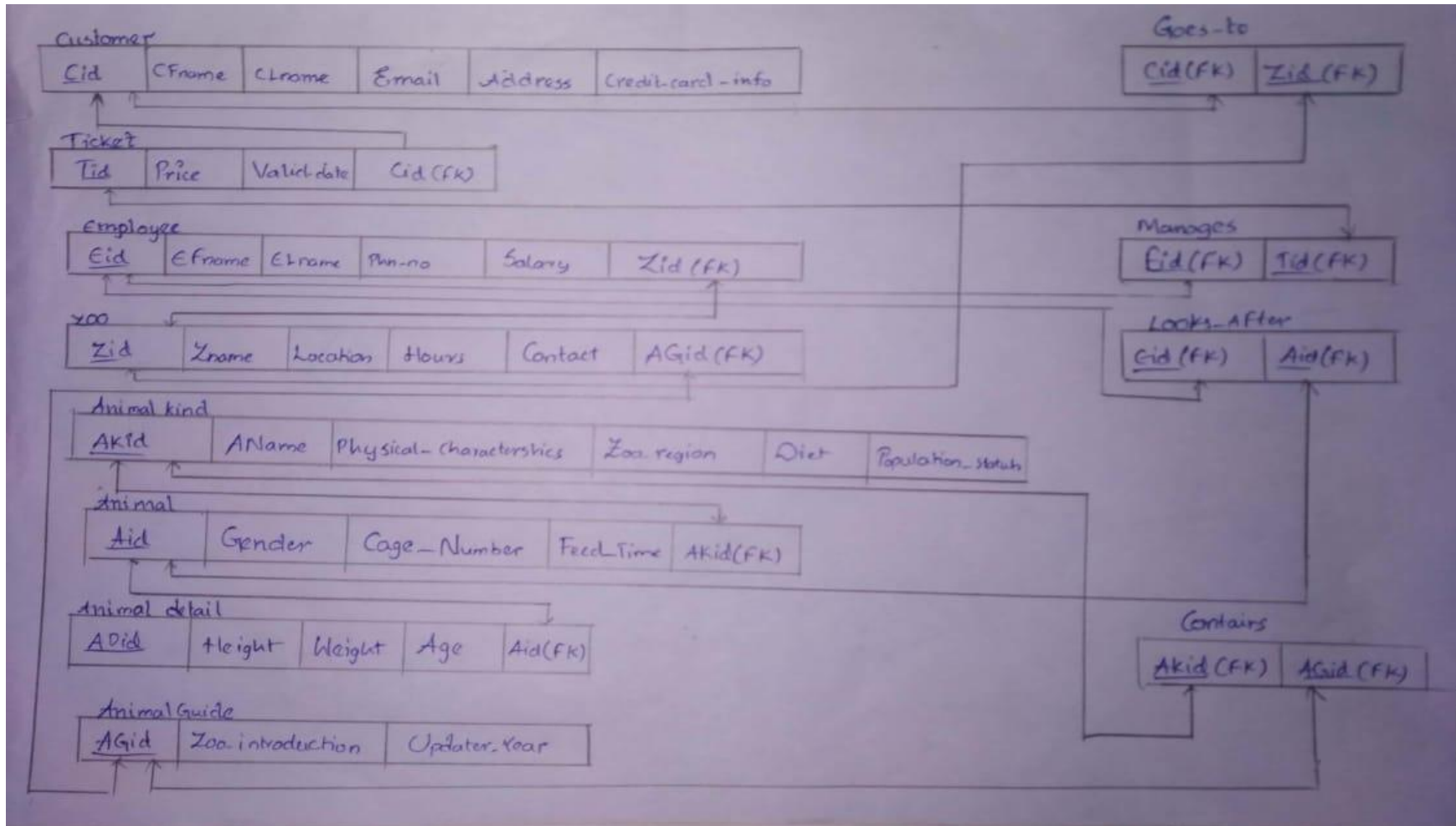
AKid (FK)	AGid (FK)

Table GOES_TO:

represents the relationship table CUSTOMER and table ZOO, which means that a customer can visit the many zoos and a zoo can be visited by many customers.

Table MANAGES:

represents the relationship table EMPLOYEE and table TICKET, which means that an employee can manage many tickets and a ticket can be managed by many employees.

Table LOOKS_AFTER:

represents the relationship table EMPLOYEE and table ANIMAL, which means that an employee can looks after many animals and an animal can be looked after by many employees

Table CONTAINS:

represents the relationship table ANIMAL_GUIDE and table ANIMAL_KIND, which means that an animal guide can contains many animal kinds and each animal kinds can belong to many animal guide

Work-Distribution

Tejass Sanker: Problem definition /Requirement specifications

UR Narasimha Rangan: Er diagram/Entities-attributes

Raja Sai Harish: Schema Conversion/pk,fk linking

Vinayak G: presentation preparation

Thank You