

Week03 – JIRA Management Task – QUESTION PAPER

Complete the following elements concerning the development of the case study called :
FastBurgersNow

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Date: 27/05/2024

Course: Database

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STAGE 1: Requirements Definition

Element	Tool(s) Used	Purpose	Timings	Outputs
Read the case study and understand how to deaggregate the system into ENTITIES.	Word processor	PROJECT MANAGER: This is the role of the project manager (YOU) – to understand and interpret the requirements from the information you have being given.	1 week	Entities records listing + attributes listing.

STAGE 2: Analysis

	Tool(s) Used	Purpose	Timings	Output
Devise the ERD (Entity Relationship Diagram) – use appropriate logic to construct the ERD.	io.draw	ANALYST: Mostly you are constructing this – so you can understand the database design.	1 week	Entity Relationship Diagram linked to the project, illustrating the relationships between records
Data Dictionary – construct the tables and load all the attributes along with the relevant characteristics (data type, size, null/not null etc).	MS Excel	ANALYST: Mostly you are constructing this – so you can understand the database design and quickly implement these.	1 week	Excel file explaining and specifying the main elements of the database.

STAGE 3: Database Development and Implementation

	Tool(s) Used	Purpose	Timings	Output
Design the database schema based on the ERD and Data Dictionary.	MySQL (Xampp)	DEVELOPER: construction of the database	1 week	Database schema implemented on MySQL, showing tables and relationships.

STAGE 4: Prototype Deployment

	Tool(s) Used	Purpose	Timings	Output
Pre-processing data - cleaning, organizing and transforming data for it to be used in the database.	MySQL (Xampp)	DEVELOPER: Adding the data into the system	1 week	Database deployed in small scale version to analyze and refine where needed.

STAGE 5 :Testing

	Tool(s) Used	Purpose	Timings	Output
Create a set of queries to evaluate the database structure and document the observations.	MySQL (Xampp) or Webstorm	DEVELOPER: Write the SQL and run each of these against the system	1 week	Documents reporting correctness of our queries.

STAGE 6: Queries and Reports

	Tool(s) Used	Purpose	Timings	Output
Develop and construct the database components (queries and reports), according to the client/product owner requirements.	MySQL (Xampp) + WebStorm	DEVELOPER: Create the components.	1 week	Evidence of components working correctly within the system.

JIRA EVIDENCE (Screenshots)

