

MEETING MINUTES - DAY 10

Meeting Topic	Date	Time
Update on tasks assigned. Brief discussion on updating details in given Tracker sheet	06/05/2024	11:30 AM to 1:00 PM
Company	Location	Mode
FUTURENSE	Jain University-SET	Offline: In person

ATTENDEES

- FUTURENSE TECHNOLOGIES
- SPEAKER: MR. AKASH DAS
- 2ND YEAR STUDENTS OF CSE - ARTIFICIAL INTELLIGENCE & DATA ENGINEERING OF JAIN UNIVERSITY SET: FROM USN: 22BTRAD001 -22BTRAD030

AGENDA

DISCUSSION

1. A

DECISION

1.A

ASSIGNMENTS

1.A

ACTION ITEMS

1.A

NEXT MEETING

SCHEDULED FOR 08/05/2024 FROM 11:30 AM TO 1:00 PM AND 2:00 PM TO 3:40 PM.

MEETING MINUTES - DAY 9

Meeting Topic	Date	Time
Update on tasks assigned. Brief discussion on updating details in given Tracker sheet	06/05/2024	11:30 AM to 1:00 PM
Company	Location	Mode
FUTURENSE	Jain University-SET	Offline: In person

ATTENDEES

- FUTURENSE TECHNOLOGIES
- SPEAKER: MR. AKASH DAS
- 2ND YEAR STUDENTS OF CSE - ARTIFICIAL INTELLIGENCE & DATA ENGINEERING OF JAIN UNIVERSITY SET: FROM USN: 22BTRAD001 -22BTRAD030

AGENDA

- FILL THE EXCEL SHEET AND COMPLETE ALL PREVIOUS TASKS.
- RESEARCH SELF-STUDY TOPICS PROVIDED BY THE SUPERVISOR.
- SHARE GITHUB LINKS OF TASK SOLUTIONS FOR REVIEW.

DISCUSSION

- CLARIFICATION ON THE EXCEL SHEET REQUIREMENTS AND PREVIOUS TASK COMPLETION.
- UNDERSTANDING THE SCOPE AND EXPECTATIONS OF THE SELF-STUDY TOPICS.
- DISCUSSION ON THE PROCESS AND FORMAT FOR SHARING TASK SOLUTIONS VIA GITHUB.

DECISION

- COMMIT TO COMPLETING ALL TASKS LISTED IN THE EXCEL SHEET.
- AGREE TO ENGAGE IN SELF-STUDY ON TOPICS PROVIDED BY THE SUPERVISOR.
- DECIDE TO SHARE TASK SOLUTIONS VIA GITHUB LINKS FOR EASY REVIEW AND ACCESS.

ASSIGNMENTS

- COMPLETE ALL TASKS LISTED IN THE EXCEL SHEET BEFORE THE NEXT SESSION ON 07/05/2024.
- CONDUCT SELF-STUDY ON TOPICS PROVIDED BY THE SUPERVISOR.
- UPLOAD TASK SOLUTIONS TO GITHUB AND SHARE THE LINKS WITH THE TEAM.

ACTION ITEMS

- EACH TEAM MEMBER TO FILL THE EXCEL SHEET AND ENSURE COMPLETION OF PREVIOUS TASKS.
- RESEARCH SELF-STUDY TOPICS AS ASSIGNED BY THE SUPERVISOR.
- UPLOAD TASK SOLUTIONS TO GITHUB AND SHARE THE LINKS WITH THE TEAM FOR REVIEW.

NEXT MEETING

SCHEDULED FOR 07/05/2024 FROM 11:30 AM TO 1:00 PM AND 2:00 PM TO 3:40 PM.

MEETING MINUTES - DAY 8

Meeting Topic	Date	Time
Exploring SQL Data Dynamics: Understanding and Discussing Assignment Tasks, Detailed Data Analysis, and Real-World Use Cases	03/05/2024	11:30 AM to 2:00 PM
Company	Location	Mode
FUTURENSE	Jain University - SET	Offline: In person

ATTENDEES

- FUTURENSE TECHNOLOGIES
- SPEAKER: MR. AKASH DAS
- 2ND YEAR STUDENTS OF CSE - ARTIFICIAL INTELLIGENCE & DATA ENGINEERING OF JAIN UNIVERSITY SET: FROM USN: 22BTRAD001 -22BTRAD030

AGENDA

1. INTRODUCTION TO SQL DATA TYPES
2. REAL-LIFE EXAMPLES OF DATA TYPES
3. UNDERSTANDING DATETIME VS TIMESTAMP
4. DIFFERENCE BETWEEN CHAR AND VARCHAR
5. REVIEWING PREVIOUS SESSION'S MOM UPDATES
6. FINAL ASSIGNMENT OVERVIEW

DISCUSSION

1. OVERVIEW OF SQL DATA TYPES EMPHASIZED THEIR IMPORTANCE IN DATABASE MANAGEMENT.
2. REAL-LIFE EXAMPLES EXPLORED PRACTICAL APPLICATIONS OF STRING, BOOLEAN, AND DATETIME DATA TYPES.
3. DETAILED COMPARISON BETWEEN DATETIME AND TIMESTAMP HIGHLIGHTED DIFFERENCES AND BEST USE CASES.
4. REVIEW OF PREVIOUS SESSION MINUTES ENSURED TEAM-WIDE AWARENESS OF PROGRESS AND PENDING TASKS.
5. DISCUSSION ON CHAR AND VARCHAR DISTINCTIONS CLARIFIED THEIR FUNCTIONALITIES IN STORAGE.
6. FINAL ASSIGNMENT OVERVIEW INCLUDED GROUPBY, AGGREGATE, STRING, CARDINALITY, HAVING, AND MATH FUNCTIONS

DECISION

1. USE VARCHAR FOR STRING DATA TYPES DUE TO ITS VARIABLE LENGTH NATURE, PROVIDING FLEXIBILITY IN STORAGE.
2. CHAR WILL BE USED FOR FIXED-LENGTH STRINGS WHERE UNIFORMITY IN STORAGE IS ESSENTIAL, WHILE VARCHAR WILL BE EMPLOYED FOR VARIABLE-LENGTH STRINGS TO OPTIMIZE SPACE USAGE.
3. DATETIME WILL BE PREFERRED FOR RECORDING EVENTS WITH SPECIFIC DATES AND TIMES, WHILE TIMESTAMP WILL BE UTILIZED FOR CAPTURING TIME-SENSITIVE TRANSACTIONS WITH HIGHER PRECISION.
4. THE REVIEW OF MOM UPDATES WILL BE A REGULAR

ASSIGNMENTS

ACTION ITEMS

1. EACH TEAM MEMBER WILL FAMILIARIZE THEMSELVES WITH THE ASSIGNED SQL DATA TYPES AND COME PREPARED WITH REAL-LIFE EXAMPLES FOR DISCUSSION.
2. THE PROJECT LEAD WILL CIRCULATE THE MOM UPDATES FROM THE PREVIOUS SESSION FOR REVIEW AND ACTION, IF ANY PENDING TASKS ARE IDENTIFIED.

1. ALL TEAM MEMBERS ARE ASSIGNED TO COMPLETE THE FINAL ASSIGNMENT, WHICH INCLUDES MASTERING GROUPBY FUNCTIONS, AGGREGATE FUNCTIONS, INBUILT STRING FUNCTIONS, CARDINALITY FUNCTIONS, HAVING CLAUSE, AND MATH FUNCTIONS IN SQL.
2. EACH MEMBER WILL BE RESPONSIBLE FOR PRESENTING THEIR FINDINGS AND SOLUTIONS RELATED TO THE FINAL ASSIGNMENT IN THE NEXT SESSION.
3. TO UPDATE THE MOM ACCORDINGLY

NEXT MEETING

SCHEDULED FOR 06/05/2024 FROM 11:30 AM TO 1:00 PM AND 2:00 PM TO 3:40 PM.

Meeting Minutes - DAY 7

Meeting Topic	Date	Time
Reviewing Progress And Addressing Challenges In Database Schema Development	02/05/2024	11:30 AM to 1:00 PM
Company	Location	Mode
FUTURENSE	Jain University - SET	Online: Via Zoom

ATTENDEES
<ul style="list-style-type: none">FUTURENSE TECHNOLOGIESSPEAKER: MR. AKASH DAS2ND YEAR STUDENTS OF CSE - ARTIFICIAL INTELLIGENCE & DATA ENGINEERING OF JAIN UNIVERSITY SET: FROM USN: 22BTRAD001 -22BTRAD030

AGENDA

- DATABASE SCHEMA DESIGN: IDENTIFYING CONSTRAINTS, ENSURING FOREIGN KEY INTEGRITY, AND ENABLING HIERARCHICAL STRUCTURES.
- DISCUSSION ON CHALLENGES FACED AND SOLUTIONS TO BE
- IMPLEMENTED
- INTRODUCTION TO MOM
- KEY COMPONENTS OF MOM

DISCUSSION

- CLARIFY THE PURPOSE AND IMPLICATIONS OF THE FOREIGN KEY CONSTRAINT.
- REVIEW THE NECESSITY OF THE "REPORTSTO" COLUMN AND ITS ROLE IN THE TABLE.
- DISCUSS THE IMPORTANCE OF MAINTAINING REFERENTIAL INTEGRITY THROUGH FOREIGN KEY CONSTRAINTS.
- EXPLORE HOW HIERARCHICAL STRUCTURES IMPACT ORGANIZATIONAL OPERATIONS AND REPORTING RELATIONSHIPS.
- IT'S BEEN ACKNOWLEDGED THAT CLEAR, CONCISE NOTES ARE ESSENTIAL FOR EFFECTIVE COMMUNICATION AND ACCOUNTABILITY.
- WE'VE AGREED TO THOROUGHLY DISCUSS HOW TO MANAGE MEETING MINUTES, INCLUDING DETAILING DISCUSSION TOPICS AND NOTING DECISIONS MADE.

DECISION

- FINALIZE THE INCLUSION OF THE "REPORTSTO" COLUMN IN THE TABLE DESIGN.
- APPROVE THE IMPLEMENTATION OF FOREIGN KEY CONSTRAINTS TO ENSURE DATA CONSISTENCY.
- ENDORSE THE USE OF HIERARCHICAL STRUCTURES TO REPRESENT REPORTING RELATIONSHIPS.
- ESTABLISH A STANDARD FORMAT FOR MEETING MINUTE AND CREATE ONE FOR TODAY'S SESSION.

ASSIGNMENTS

- ASSIGNED STUDENTS: DEVELOP DDL STATEMENTS FOR TABLE CREATION BASED ON THE ER DIAGRAM'S SPECIFICATIONS.
- IT HAS BEEN ASSIGNED TO THE STUDENTS TO DRAFT A DOCUMENTATION PROTOCOL OUTLINING THE FORMAT AND CONTENT GUIDELINES FOR MEETING MINUTES.
- THE STUDENTS HAVE BEEN TASKED WITH CREATING A STANDARDIZED TEMPLATE FOR RECORDING MEETING MINUTES THAT INCLUDES SECTIONS FOR DISCUSSION POINTS, DECISIONS, AND ACTION ITEMS.
- MENTORS: PROVIDE SUPERVISION AND ASSISTANCE THROUGHOUT THE PROJECT, ENSURING ADHERENCE TO REQUIREMENTS AND BEST PRACTICES.

ACTION ITEMS

- STUDENTS ARE TASKED WITH CREATING DDL STATEMENTS BASED ON THE PROVIDED ER DIAGRAM.
- UTILIZE ALTER TABLE COMMANDS TO ADD FOREIGN KEY CONSTRAINTS TO THE TABLES.
- BEGIN BY CREATING TABLES WITHOUT FOREIGN KEYS, ADHERING TO THE SPECIFICATIONS OUTLINED IN THE ER DIAGRAM.
- IMPLEMENT THESE TASKS USING VISUAL STUDIO CODE (VS CODE) AS THE DEVELOPMENT ENVIRONMENT.
- INTEGRATE THE CODE AND PROJECT FILES INTO GITHUB REPOSITORIES FOR VERSION CONTROL AND COLLABORATION.

NEXT MEETING

SCHEDULED FOR 03/05/2024 FROM 11:30 AM TO 1:00 PM AND 2:00 PM TO 3:00 PM.

MEETING MINUTES - DAY 6

Meeting Topic	Date	Time
Linking GitHub to VS Code via Terminal & Introduction to SQL Query Execution	30/04/2024	11:30 AM to 1:00 PM
Company	Location	Mode
FUTURENSE	Jain University - SET	Online: Via Zoom

ATTENDEES

- FUTURENSE TECHNOLOGIES
- SPEAKER: MR. AKASH DAS
- 2ND YEAR STUDENTS OF CSE - ARTIFICIAL INTELLIGENCE & DATA ENGINEERING OF JAIN UNIVERSITY SET: FROM USN: 22BTRAD001 -22BTRAD030

AGENDA

1. ESTABLISHING A CONNECTION BETWEEN GITHUB REPOSITORY AND VS CODE VIA TERMINAL.
2. EXECUTING SQL QUERIES ON DATABASES AND INTRODUCING PRACTICE RESOURCES.

DISCUSSION

1. DISCUSS THE BENEFITS AND CHALLENGES OF LINKING VS CODE TO GITHUB VIA THE TERMINAL.
2. SHARING TIPS FOR SEAMLESS INTEGRATION AND WORKFLOW OPTIMIZATION.
3. HIGHLIGHTING THE SIGNIFICANCE OF SQL QUERIES IN DATABASE INTERACTION.
4. DISCUSSING THE BASICS OF SQL SYNTAX AND QUERY EXECUTION.

DECISION

1. ADOPTION OF GIT & VS CODE INTEGRATION
2. EMBRACING SQL FOR DATABASE INTERACTION AND DECIDE ON THE LEVEL OF SQL COMPETENCY
3. ASSESS THE EFFECTIVENESS OF USING TERMINAL FOR VERSION CONTROL.
4. DETERMINE IF THE BENEFITS OUTWEIGH ANY POTENTIAL COMPLEXITIES.

ACTION ITEMS

1. UPLOADING SQL FILES TO GITHUB
2. SET DEADLINES AND GUIDELINES FOR VERSION CONTROL PRACTICES.
3. CONTINUED LEARNING AND PRACTICE:
4. PROVIDE ACCESS TO ADDITIONAL RESOURCES FOR ENHANCING SQL PROFICIENCY.
5. ESTABLISH A FEEDBACK MECHANISM TO EVALUATE THE EFFECTIVENESS OF GIT & VS CODE INTEGRATION.
6. IMPLEMENT IMPROVEMENTS BASED ON USER EXPERIENCES AND SUGGESTIONS.
7. CREATE DOCUMENTATION DETAILING THE STEPS FOR CONNECTING VS CODE TO GITHUB VIA TERMINAL.
8. DEVELOP GUIDELINES FOR WRITING AND UPLOADING SQL QUERIES TO THE REPOSITORY.

ASSIGNMENTS

1. CREATE A SOLUTION FILE FOR LINK 6 AND ENSURE UNDERSTANDING OF THE DIAGRAM BEFORE LINKING IT TO GITHUB.
2. EXECUTE BASIC SQL QUERIES BASED ON GIVEN PROBLEM STATEMENTS .
3. COMMIT EACH AND EVERY CHANGE AND SYNC THE CHANGES.

NEXT MEETING

SCHEDULED FOR 02/05/2024 FROM 11:30 AM TO 1:00 PM .

MEETING MINUTES - DAY 5

Meeting Topic	Date	Time
Mastering MySQL Workbench: Setup, Import, Query, and Practice	29/04/2024	11:30 AM to 1:00 PM
Company	Location	Mode
FUTURENSE	Jain University - SET	Online: Via Zoom

ATTENDEES

- FUTURENSE TECHNOLOGIES
- SPEAKER: MR. AKASH DAS
- 2ND YEAR STUDENTS OF CSE - ARTIFICIAL INTELLIGENCE & DATA ENGINEERING OF JAIN UNIVERSITY SET: FROM USN: 22BTRAD001 -22BTRAD030

AGENDA

- EXPLORING MYSQL WORKBENCH: INSTALLATION AND SETUP
- IMPORTING A DATABASE INTO MYSQL WORKBENCH
- EXECUTING SQL QUERIES WITHIN MYSQL WORKBENCH
- LEVERAGING PRACTICE MATERIALS FOR SQL PRACTICE

DISCUSSION

- DISCUSSING MYSQL WORKBENCH FEATURES AND FUNCTIONALITIES, AND COMPARING IT WITH OTHER DATABASE MANAGEMENT TOOLS.
- UNDERSTANDING THE STEPS INVOLVED IN UPLOADING A DATABASE INTO MYSQL WORKBENCH, ALONG WITH CONSIDERATIONS AND BEST PRACTICES.
- EXPLORING HOW TO PERFORM SQL QUERIES WITHIN MYSQL WORKBENCH AND PROVIDING COMMON QUERY EXAMPLES FOR PRACTICE.
- EVALUATING THE ADVANTAGES OF MYSQL WORKBENCH AND CONSIDERING POTENTIAL CHALLENGES OR LIMITATIONS IT MAY HAVE.

DECISION

- ASSESSING THE VIABILITY AND FACTORS ASSOCIATED WITH ADOPTING MYSQL WORKBENCH.
- DETERMINING EFFECTIVE METHODS AND AVAILABLE RESOURCES FOR TRAINING AND FAMILIARIZATION.
- OUTLINING AN IMPLEMENTATION STRATEGY FOR INTEGRATING MYSQL WORKBENCH INTO EXISTING WORKFLOWS.

ASSIGNMENTS

- WORK ON THE SQL SOLUTION FILES FOR LINK 16, 18, AND 49.
- UTILIZE VS CODE FOR THE DEVELOPMENT ENVIRONMENT.

ACTION ITEMS

FOR TRAINING SESSIONS:

- SCHEDULE HANDS-ON PRACTICE SESSIONS.

FOR DOCUMENTATION AND GUIDES:

- CREATE USER GUIDES COVERING DATABASE IMPORT AND QUERY EXECUTION.
- ENSURE RESOURCES ARE EASILY ACCESSIBLE.

NEXT MEETING

SCHEDULED FOR 30/04/2024 FROM 11:30 AM TO 1:00 PM .