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DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING
(Autonomous College Affiliated to the University of Mumbai)
NAAC Accredited with "A" Grade (CGPA : 3.18)

Department of Information Technology

Summary

Analyze real world problem using software engineering principles. Draw a DFD diagram for the chosen problem statement. Compare and interpret your results with expected behavior. Explain unexpected behavior, if any. Base all conclusions on your actual results; describe the meaning of the experiment and the implications of the results.

COURSE CODE: DJS22ITL601   **DATE:**

COURSE NAME: Software Engineering Laboratory   **CLASS: T.Y.BTech**

EXPERIMENT NO.5

CO/LO Analyze real world problem using software engineering principles.

AIM / **OBJECTIVE**: Design Data Flow Diagram (DFD) up-to level 2 & E-R Diagram for the proposed system.

- Understand the importance of Data Flow Diagram in the software design process.
- Understand the building blocks and appropriate notations of DFD and accordingly design DFD up to level 2 for the system under development (problem statement) using online drawing tools like creately, draw.io, Lucid chart or DIA.
- Design ER diagram for the system under development (problem statement) using online drawing tools like creately, draw.io, Lucid chart or DIA.

DESCRIPTION OF EXPERIMENT:

For Every diagram state
  1. Definition of the diagram
  2. Symbols used
  3. Purpose of the diagram
  4. Application of the diagram

QUESTIONS

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1. Describe the importance of DFD and ER diagram in software design process.

OBSERVATIONS / DISCUSSION OF RESULT:

This section should interpret the outcome of the experiment. The observations can be visually represented using images, tables, graphs, etc. This section should answer the question "What do the result tell us?" Compare and interpret your results with expected behavior. Explain unexpected behavior, if any.

CONCLUSION:

Base all conclusions on your actual results; describe the meaning of the experiment and the implications of your results.

REFERENCES:

Website References:

1. www.static1.squarespace.com

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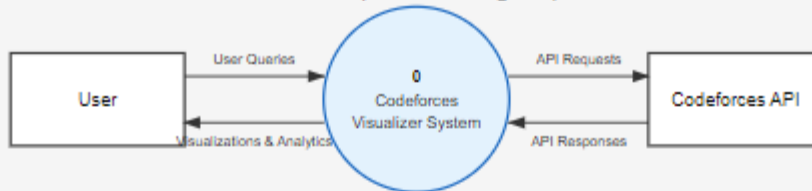NAAC Accredited with "A" Grade (CGPA : 3.18)

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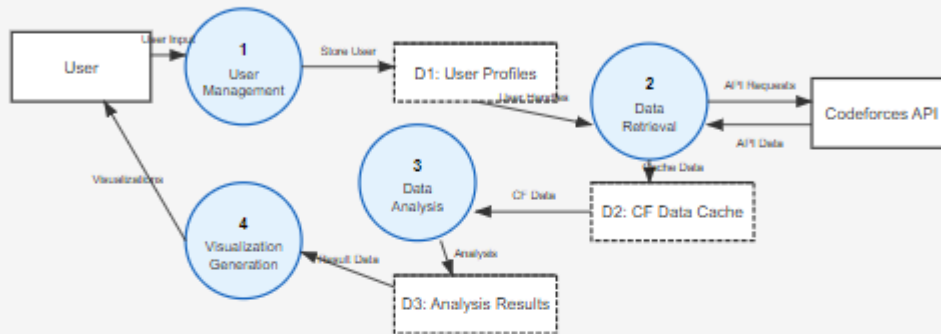NAAC Accredited with "A" Grade (CGPA : 3.18)

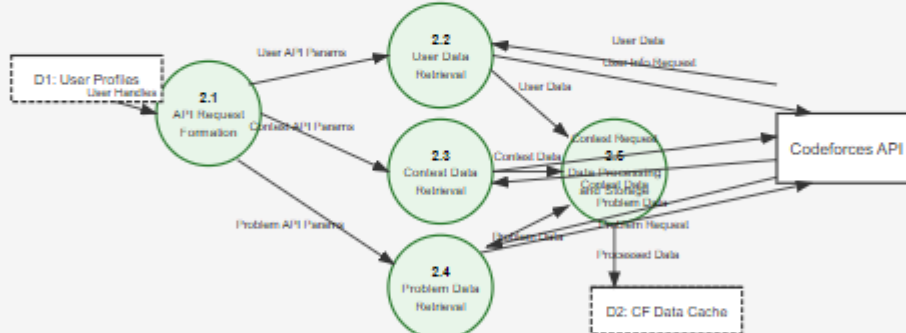# Department of Information Technology

Level 0 (Context Diagram)

Level 1 DFD

Level 2 DFD - Process 2: Data Retrieval

Level 2 DFD - Process 3: Data Analysis