TASK MANAGEMENT SYSTEM

Database Management Systems

MSCS 542L

Team Name: The Unstoppables

Marist College.

School of Computer Science and Mathematics.

Submitted to:

Dr Reza Sadeghi

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MSCS 542L_TASK MANAGEMENT SYSTEM_THE UNSTOPPABLES

Project Report of TASK MANAGEMENT SYSTEM

Team Name:

The Unstoppables

Team Members:

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Pranay Reddy Kosireddy and Pranayreddy.kosireddy1@marist.edu (Team Member)

Description of Team Members:

Yeshwanthy Puppala:

My name is Yeshwanthy Puppala, I am from Hyderabad, India. I completed my Bachelors in the field of Computer Science and Engineering from Sreyas Institute of Engineering and Technology, Hyderabad in the year 2021. My interests are playing badminton, listening to music and podcasts. I worked as a Programmer Analyst Trainee for 9 months in Cognizant Company in the Automation domain. I would like to work with goal oriented, Optimistic people.

Natraj Adepu :

My name is Natraj Adepu i am from Hyderabad, India. i pursued my bachelors degree in the field of Computer Science & Engineering from lovely professional university which is in Punjab India , later I did masters of business administration from lovely professional university and got placed as a operations intern in start-up company which is in Delhi India but my interest is to work in an IT field so quit the job and started preparation to get job in MNC, I got job in cognizant as a programmer analyst. where is got exposed to git hub, Agile methodology and i got chance to learn advanced python. I want to work with dedicated, enthusiastic and fast learners

Chandra Shekar Reddy Ganna:

My name is Chandra Shekar Reddy Ganna, I am from Hyderabad, India. I completed my B.Tech in Comp. science from Lovely Professional University, in 2020.my interests are listening to music and reading books. I have 2+ years of experience as a storage QA, I got a chance to work with multiple enterprise data storage technologies like RAID, SAN, DAS and I worked with different file systems like NTFS, NFS, CIFS and I worked with different Operating system like Windows, Linux, VMware ESXi. I tested Enterprise Storage System with different OS and file Systems I have experience working with Python. I would like to work with goal oriented, Optimistic people

Venkatesh Pendli:

My name is Venkateshwarlu pendli, I am from Hyderabad, India. I completed my under graduation in the field of mechanical engineering from SRM University Chennai in the year 2018. I have 3+ years of experience as a Quality analyst in Amazon development center, where I need to analyze the Kindle data which is received from content publishers by using both counter punch and kdp tools.I have some knowledge on java and c programming language. I like to work with people who always tries to learn new things and Optimistic People

Baru Akhil Sai:

My name is Akhil Sai Baru, I'm from Hyderabad, India. I completed my bachelors in the field of computer science from lovely professional university Jalandhar Punjab in the year 2020 my interests are playing chess, reading books and watching movies. I have one and half year experience as a cloud developer I used to work for an us based companies in different technologies. I would like to work with people who drive me forward and people who love to have fun

Thirumala Rao:

My name is Thirumala Rao Yelisetti, I am from Hyderabad, India. I completed my under graduation in the field of Electronics and Communication Engineering from Sreenidhi Institute of Science and Technology, Hyderabad in the year 2021.my interests are playing and watching cricket. I have 1 years of experience as a Project Engineer in Wipro. I have some knowledge on java and c programming language. My interests are watching and playing cricket, I like swimming. I like to work with people who always tries to learn new things and having good experience on various fields.

Pranay Reddy Kosireddy:

My name is Pranay Reddy Kosireddy, I am from Hyderabad, India. I completed my Bachelors in the field of Computer science from Osmania University, Hyderabad .my interests are listening to music and watching movies. I would like to work with focused, confident and creative mind people

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Objective:

- The main work of the task management system is to record various details it comes along with the contacts.
- It is used by an organization or sometimes even an individual to efficiently manage and complete different projects and also relate to it with respect to the prioritization of the task.
- It is not just about the project management, but it has several other applications especially when it comes to an organization as it gets complete control of the human resources, the infrastructures, the software, and different applications (Cheng, 2020).

Review related work:

- The concept of a task management system comes with the efficiency of organizing tasks.
- This is related to meeting the deadlines on time staying organized throughout the work and finishing the work efficiently with the minimal waste possible.
- Moreover, with task management tools, individuals are always corrected about the path they need to follow and ensure that they are working on the right track through visualization-based progress reports.
- It is all about the analysis and prioritization apart from visualization which forms to be the major concepts of the task management system (Mikelsone, 2022).
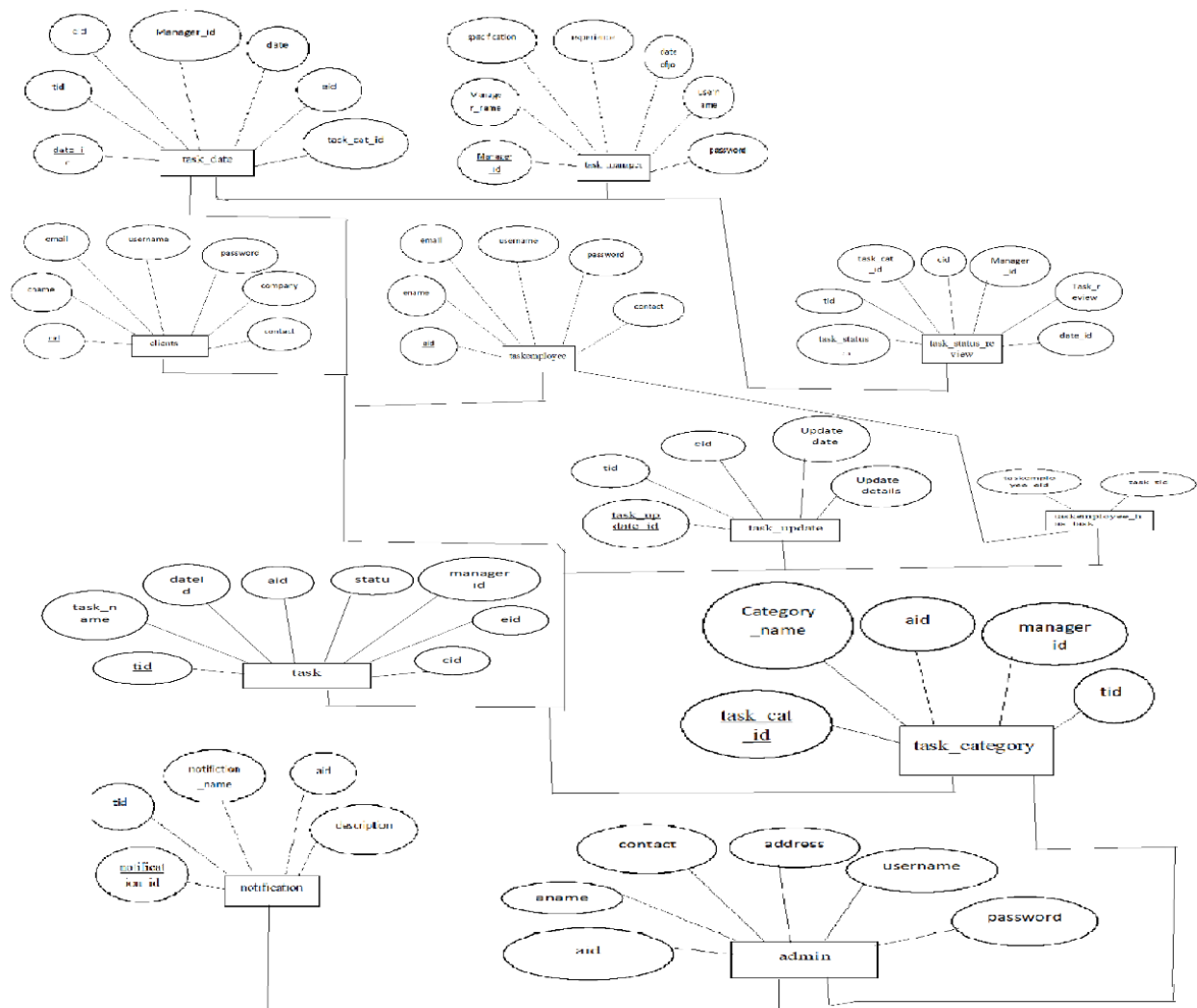
Merits:

- There are a few advantages of using task management tools. These help in organizing work slots that are extremely huge and difficult to manage. Moreover, it also leads to the understanding of quality work and its improvements.
- Some collaborations are driven together for better communication of the management system with a visual-based format.
- Moreover, the merit of this project is that it would help in relating to task prioritization and completing the projects in the proper time with minimal waste generation possible. Agility is also to be improved through this project.
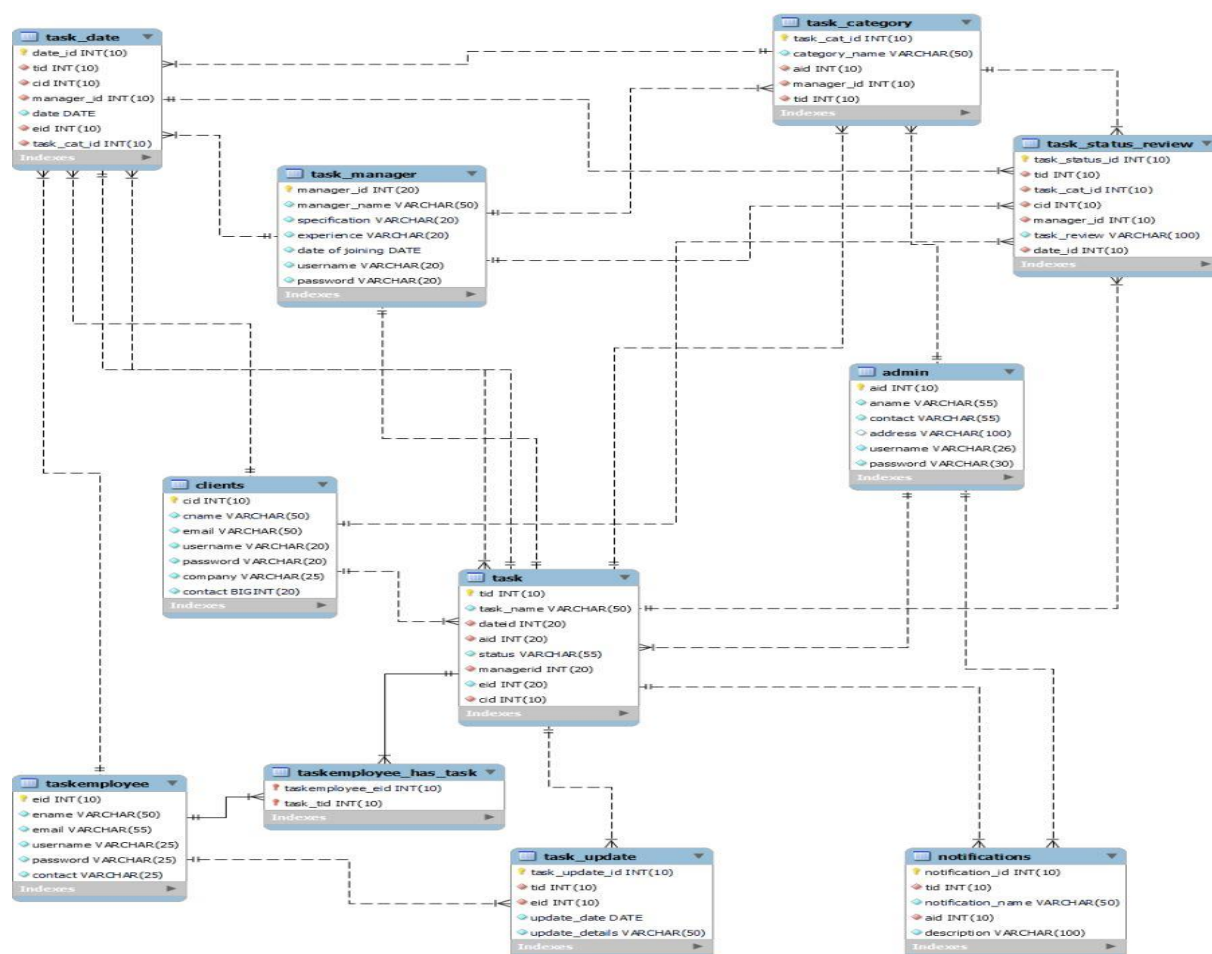
GitHub repository address:

https://github.com/yeshuuu/MSCS-542L_TASK-MANAGEMENT-SYSTEM_THE-UNSTOPPABLES#mscs-542l_task-management-system_the-unstoppables

Entity relationship model:

- 11 entities are chosen to establish a perfect relationship.
- These 11 entities include the task date, the task manager, the task category, the task status report, the admin, the clients, the task, the task employee, the task employee has a task, the task update, and the notifications.
- These are all related to their fellow entities bringing about a perfect collaboration. There is a one-to-one, one-to-many, and many-to-many type of relationship.
- There are also a variety of attributes including names, specifications, data, passwords, user IDs, addresses, updated details, and many more.

Enhanced entity-relationship model:

- The basic relationship between the entities includes one to many, many to many, and one-to-one.
- We are treating all these relationships within this model. If suppose, the task date is the primary key, the other entities and attributes are considered to be linked to it. All of the attributes also have a relationship that they share between each of them.
- This is not just about the entity base relationship, but it is also about the interconnectedness. The data type that comes along with these includes the basic context of the specification, manager id, task review, address, password, and many more.
- These include integers, Boolean values, and many more. There is a one-to-many relationship that is experienced to the highest level among one-to-one and many-to-many relationships.

References:

- Cheng, D. R., & South, M. (2020). Electronic task management system: a pediatric institution's experience. *Applied Clinical Informatics*, *11*(05), 839-845.
- Mikelsone, E., Spilbergs, A., Segers, J. P., Volkova, T., & Liela, E. (2022). Better Ideation Task Results in Web-Based Idea Management Systems. *Businesses*, *2*(2), 129-140.
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