



**BENAZIR BHUTTO SHAHEED UNIVERSITY**  
**LYARI, KARACHI**

**WEB SEMANTICS ASSIGNMENT**

**Submitted to:**

Ma'am Ambreen

**Submitted by:**

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**Department:** Computer Science

**Semester:** 7<sup>th</sup> – B

**Roll#:** 616

## **Domain:**

### **“SOFTWARE HOUSE”**

## **Competency Questions:**

- 1) What is the name of Software House?
- 2) When the Software House was started?
- 3) How many people were there initially in the Software House?
- 4) Who is the CEO of Suzurun Technologies?
- 5) Is it a small software house?
- 6) Is there any other branch of Suzurun Technologies?
- 7) Suzurun Technologies work in how many domains?
- 8) Can you name the domains?
- 9) Where the software house is located?
- 10) At what time do the software house opens?
- 11) What is the closing time of the software house?
- 12) Totally, how many people are there in the software house?
- 13) How many WordPress Developers are there?
- 14) How many Android Developers are there?
- 15) How many iOS Developers are there?
- 16) How many Desktop App Developers are there?
- 17) How many Project Managers are there?
- 18) How many Data Entry Operators are there?
- 19) How many Web Developers are there?
- 20) Is there an Assistant Manager in the software house?
- 21) Who is the manager of Suzurun Technologies?
- 22) Who is the Assistant manager of Suzurun Technologies?
- 23) Is there any vacancy available at the moment?
- 24) What about any new domain entry in the future?
- 25) Is Suzurun Technologies top ranked software house?
- 26) What is the rank of Suzurun Technologies in Pakistan?
- 27) What is the average salary of a developer in the software house?

## Statements Related to Competencies:

- 1) The name of this software house is Suzurun Technologies  
(Domain= name, Range= Suzurun Technologies, Relation= is)
- 2) The software house was started in June 2020  
(Domain= software house, Range= June 2020, Relation= was started)
- 3) Initially, there were four people in the software house  
(Domain= people, Range= software house, Relation= in)
- 4) Salman Khatri is the CEO of this software house  
(Domain= Salman Khatri, Range= CEO of software house, Relation= is)
- 5) Yes, It is a small software house  
(Domain= Salman Khatri, Range= CEO of software house, Relation= is)
- 6) No, there is no other branch of Suzurun Technologies  
(Domain= branch, Range= Suzurun Technologies, Relation= is not)
- 7) The software house works in seven different domains  
(Domain= software house, Range= domains, Relation= works in)
- 8) WordPress, Android Development, iOS development, Desktop App Development, Data Entry, Project Management, Web Development are seven domains of this software house  
(Domain= domain names, Range= software house, Relation= are of)
- 9) The software house is located in Karachi  
(Domain= software house, Range= Karachi, Relation= is located in)
- 10) The software house opens at nine o'clock morning  
(Domain= software house, Range= nine o'clock morning, Relation= opens)
- 11) The software house closes at seven o'clock evening  
(Domain= software house, Range= seven o'clock morning, Relation= closes)
- 12) There are total 20 people who run this software house  
(Domain= people, Range= software house, Relation= run)

- 13) There are three WordPress developers in the software house  
(Domain= WordPress Developers, Range= software house, Relation= in)
- 14) There are five Android Developers in the software house  
(Domain= WordPress Developers, Range= software house, Relation= in)
- 15) There are two iOS Developers in the software house  
(Domain= Android Developers, Range= software house, Relation= in)
- 16) There are two Desktop App Developers in the software house  
(Domain= WordPress Developers, Range= software house, Relation= in)
- 17) There are three Project Managers in the software house  
(Domain= Desktop App Developers, Range= software house, Relation= in)
- 18) There are two Data Entry Operators in the software house  
(Domain= Data Entry Operators, Range= software house, Relation= in)
- 19) There are three Full Stack Web Developers in the software house  
(Domain= Full Stack Web Developers, Range= software house, Relation= in)
- 20) Yes there is an Assistant Manager who works under the Manager  
(Domain= Assistant Manager, Range= Manager, Relation= works for)
- 21) Usman Shinwari is the Manager of Suzurun Technologies  
(Domain= Usman Shinwari, Range= Suzurun Technologies, Relation= Manager)
- 22) Waleed Kuwaiti is the Assistant Manager of Suzurun Technologies  
(Domain= Waleed Kuwaiti, Range= Suzurun Technologies, Relation= Assistant Manager)
- 23) No, there is no vacancy available here at the moment  
(Domain= vacancy, Range= software house, Relation= Not available)
- 24) Data Analysis seems to enter as a new domain in the software house very soon  
(Domain= Data Analysis, Range= software house, Relation= will enter)
- 25) Yes, Suzurun Technologies is in the top 100 Software Houses list in Pakistan  
(Domain= Suzurun Technologies, Range= top 100 list, Relation= is in)

26) Suzurun Technologies ranks at number 69 among the top 100 software houses in Pakistan

(Domain= Suzurun Technologies, Range= 69, Relation= ranks at)

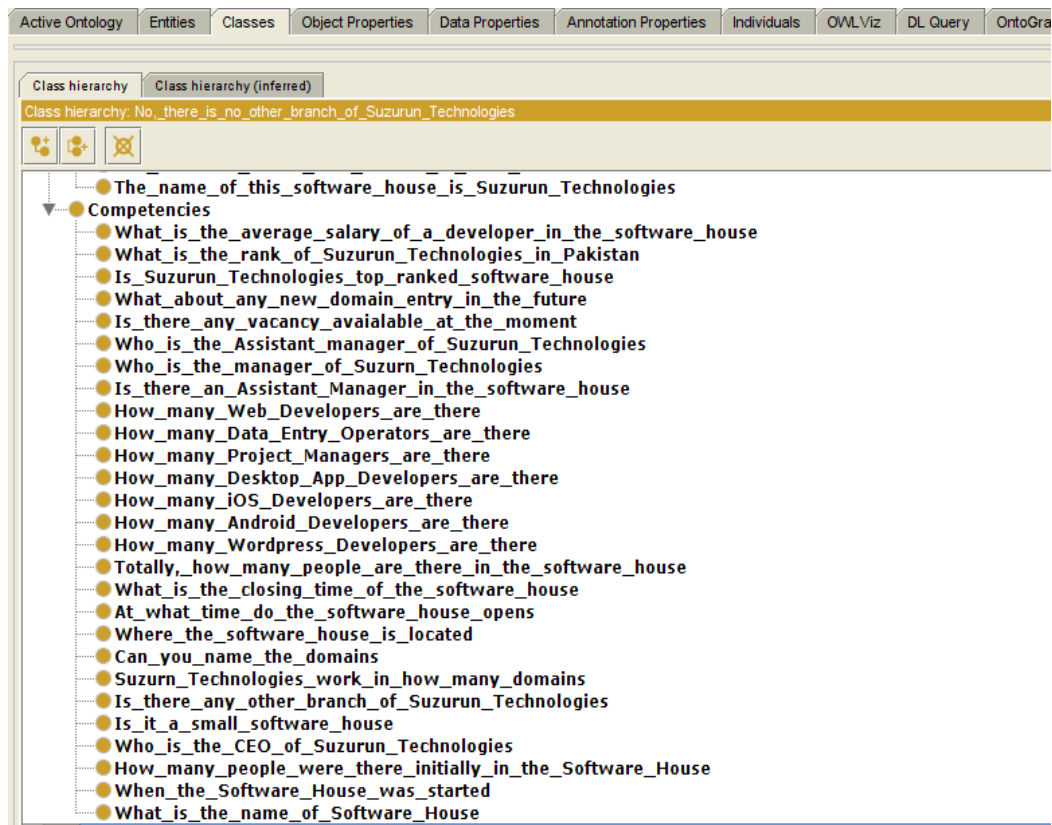
27) The average salary of a developer is 40k in the software house

(Domain= Average salary of developer, Range=software house, Relation= is in )

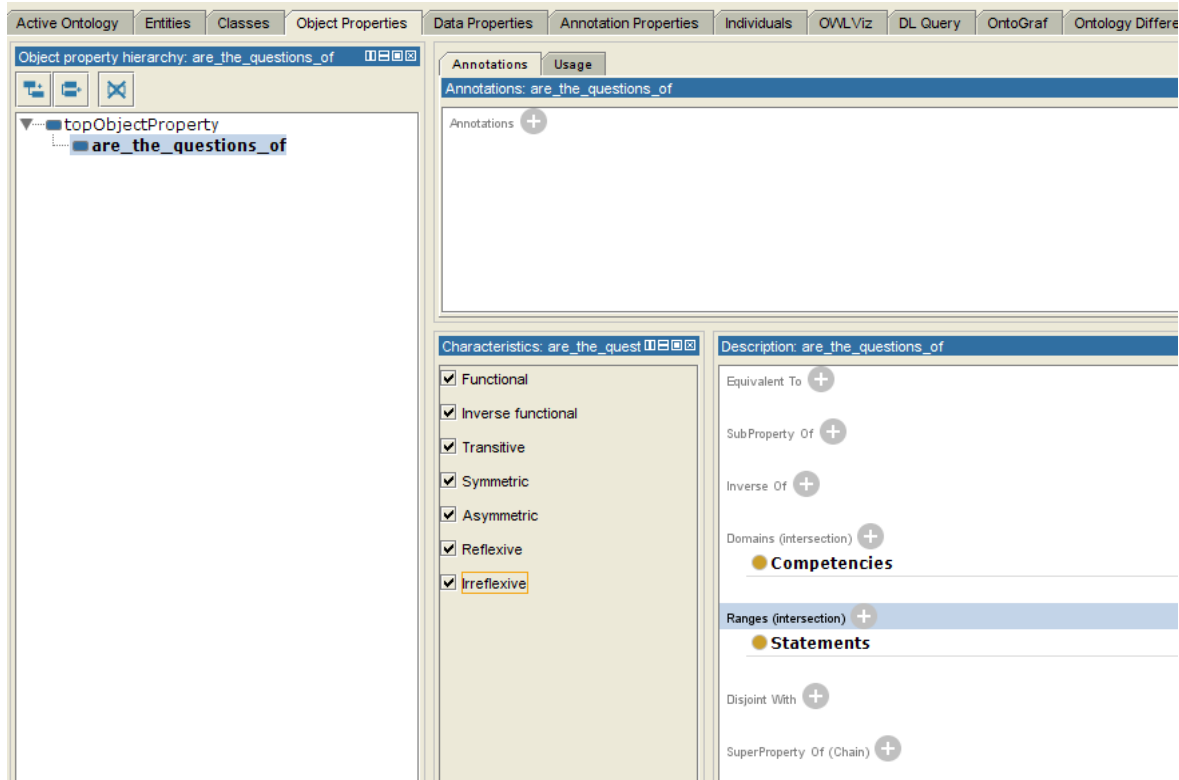
## Screenshots of Class Definition:

The screenshot displays the Protégé ontology editor interface. The top menu bar includes options like 'Active Ontology', 'Entities', 'Classes', 'Object Properties', 'Data Properties', 'Annotation Properties', 'Individuals', 'OVL/Viz', 'DL Query', 'OntoGraf', 'Ontology Differences', and 'SPARQL Query'. Below the menu, the 'Class hierarchy' tab is active, showing a single class: 'Suzurun\_Technologies'. The main workspace displays a list of statements associated with this class, including:

- The average salary of a developer is 40k in the software house
- Suzurun Technologies ranks at number 69 among the top 100 software houses in Pakistan
- Yes, Suzurun Technologies is in the top 100 Software Houses list in Pakistan
- Data Analysis seems to enter as a new domain in the software house very soon
- No, there is no vacancy available here at the moment
- Waleed Kuwaiti is the Assistant Manager of Suzurun Technologies
- Usman Shinwari is the Manager of Suzurun Technologies
- Yes there is an Assistant Manager who works under the Manager
- There are three Full Stack Web Developers in the software house
- There are two Data Entry Operators in the software house
- There are three Project Managers in the software house
- There are two Desktop App Developers in the software house
- There are two iOS Developers in the software house
- There are five Android Developers in the software house
- There are three Wordpress developers in the software house
- There are total 20 people who run this software house
- The software house closes at seven o'clock evening
- The software house opens at nine o'clock morning
- The software house is located in Karachi
- Wordpress, Android Development, iOS development, Desktop App Development, Data Entry, Project Management, Web Development are seven domains of this software house
- The software house works in seven different domains
- No, there is no other branch of Suzurun Technologies
- Yes, It is a small software house
- Salman Khatri is the CEO of this software house
- Initially, there were four people in the software house
- The software house was started in June 2020
- The name of this software house is Suzurun Technologies



## Screenshots of Object Property Definition



# ONTOGRAF CLASS DIAGRAM

