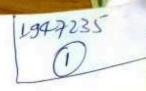
Saffware Architecture MCA531



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@ @ Architecture quality attributes & scenario:

A software is considered to as a quality product if its architecture is designed efficiently and it's applicated properly. Software architecture is the first milestone in software development.

software design architects needs to understand their design in terms of quality.

Achiving quality attributes must be considered throughout the Lesign, implementation, and deployment.

sittlerest quality attributes are: -

(i) Performance

(iii) security (v) Reusability (vii) Usability

(IX) configurability

(ii) wishle Reliability.

UN modifibity

(vi) Availability

(viii) Through but

(i) Performance: - Performance of any saffrance is the main quality indicator as end-cused wants nothing but a sufficient having good performance (ii) Reliability: An architecture of any software must be reliable so that user and Levelager can be sure about it's security and performance. (iii) security - security is one of the main qualify of any software. The more secure a saffware is, the more reliable it will be and the more user will be satisfied with the broduct. (iv) Modifibility: - Modifibility defermine the flexibility at any software Lesign. An archite - Chure must be modifi modificable as in neal world scenario, the requireme - rds are \$ not fired, they keep changing. : (V) Useability & Reusability: - Any part of software should be developed such as grat part can be used and newser

Later also.

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Throughput: - get decides how fast and efficient the suffluere is.

* Configuribility: This quality decides
how easy is the
installment and combig
- wedion out a software
is.

SO, a quality attributes are what make a system good with respect to a stack holder.

most of the Lime are not writtens
they are verbally said alongside
they are verbally said alongside
functional requirement. Most on the
time they are implicit in
the bucksonal require ments.

Da Activities involves in creating a software artifecture:

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- Software architecture plays a vital role in the software development This is where is softwares main components are decided. The design and the development bath are decided here which makes the development phase easy and Crear file.

There are so many activities are involved in creating a sattware wichitecture. They are following:

(i) Creating the business case for the system

(i) Understanding the requirements

(iii) selecting the architecture

(11) Documenting and commenting five

(v) Analyzing a evaluating

(Vi) Implementing sue system

(Vii) Enswing that implementation Confirme sue architecture.

(i) creating the business care for the system:

-) creating the business case is broader Than simply as accessing the market requirements. gt is important step in creating

a constraining any sutwie

Julquirements. -> How much should the froduct 1 what's market requirements?

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I will it need interface with

other system?

and soon are the questions which should be asked in this step.

Understanding the Flourements: (11) Under stained

this plays a very important rule in software development this is where we understood what needs to be developed by accoming the requirements from the user. we use object-oriented scenarios, or use case nethod to understand the wer's requirement:

1947235 (iii) Creating as selecting the aschitecture: After gathering the requirement from the user, next We have to decide & select the best fit saftware architecture model for the eyesters. (IV) Amalyzing & Evaluating: 90 design share there will be multiple Candidates' design considered. Some well be rejected immediately. Others will be counted for primacy-choosing on from multiple design and analyzing there is very challenging tast. Evaluating the chooses architecture dor she qualify it supports withe the eventurements of the stackhalders (v) Implementing based as the architecture here she actual simplementation of the saftware takes place according to the selected anchitecture (Vi) Enswing & Confirmation to an architecture:

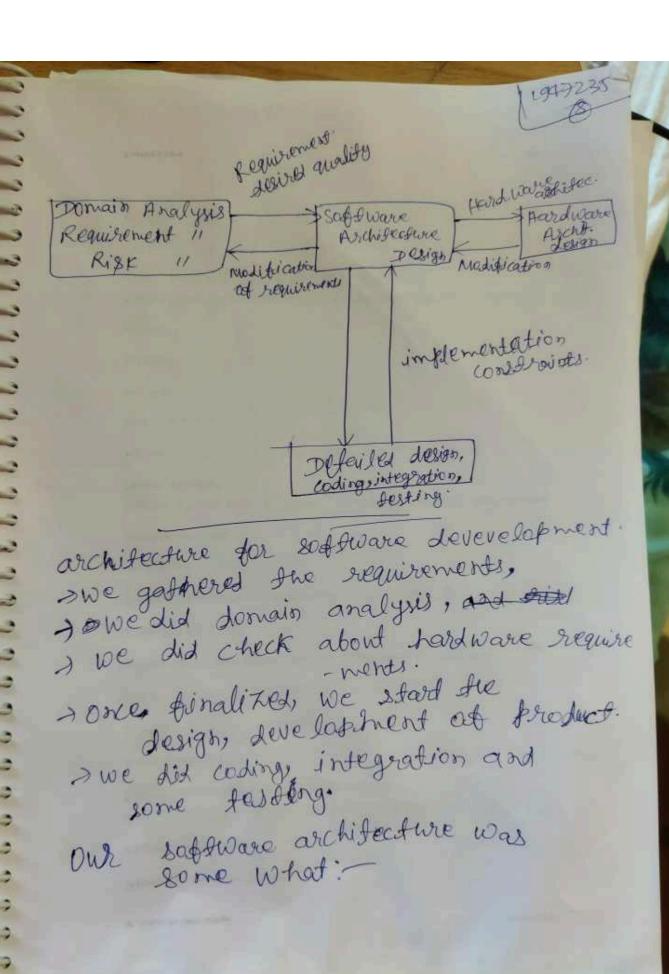
finally, when an archidesture is created of used, it goes into maintanance phase constant vigitance is required to ensure that the actual architectures and its representation nemain faithful to each other during development of the software.

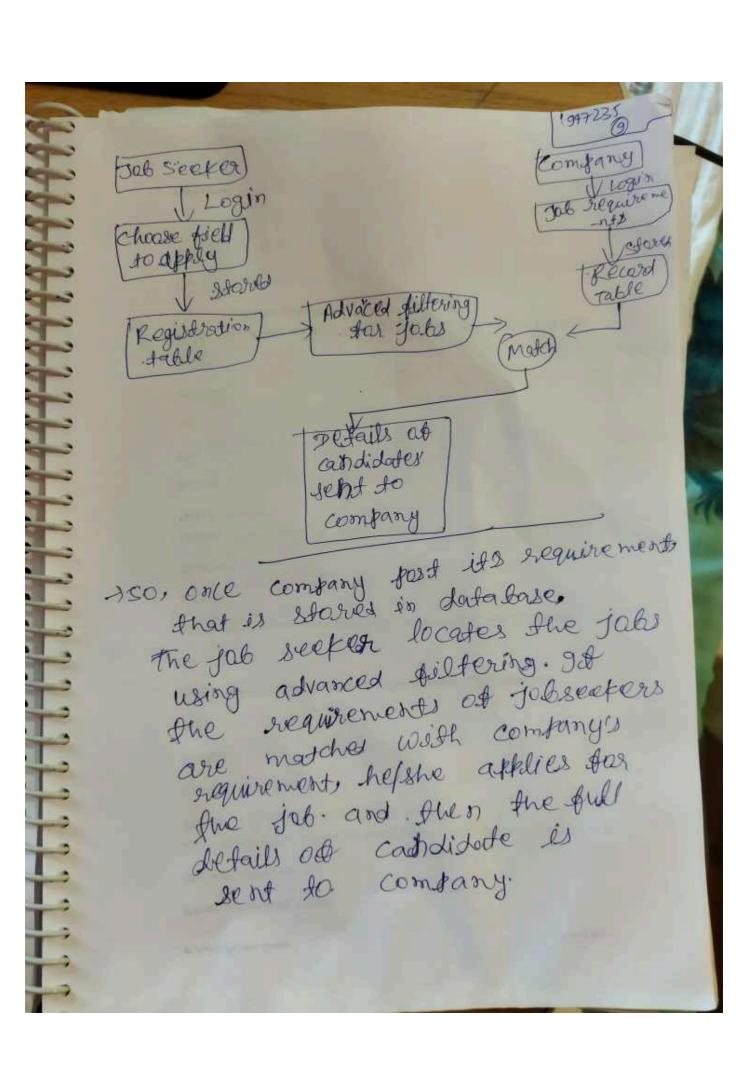
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(3) The project was we previously worked on is "online jab forder".

go is a website & which connects jab sectors and jab providers.

Jab sectors will be posting jabs and defails Jab sectors, goes and defails Jab sectors, goes apply for Jabs o mattching with apply for Jabs o mattching with his/her stillsets. There is so many differs there to hiller out jabs based on time, stills department and so on we fallowed the generic saftware





Quality alleibutes in our projects

(i) Modifibility: Our project was flexible got the requirement is changed, the website can be changed accordingly with very little effect

in Performance: The overall performance was analyzed. We fried possing jobs, searching, bittering and applying for jobs. All features were working fer sectly.

(iii) Security: We provided login features to each companies and cardidates. To use an one website, the user mult login.

(iy configuribility:— The website is easy to that use.

easy to that use.

got just require und of website and thats all-