CSA1526

Cloud Computing

CLASS TEST - 3

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QUESTIONS

- 1. Prepare and Analyse Cloud based Educational Applications . Comprise Canavas, Coursera, black Board and Google Class Room Wing driving Forces.
- 2. Compare and Contrast the Architecture duign of accessing the cloud with web Application frame work, How down it Relate with Storage Arca work, How down it Relate with Storage Arca Network (IAN)?
 - 3. Consider any one Real Estate business Frame
 Work Like Magic brick and discuss the
 Work Like Magic brick and discuss the
 Application . How does the
 Architectore cloud Web Application . How does the
 Architectore and discuss the
 Application with Web browsers.

 April help in

bases the process to demand brackers &

: colors Answers

1. Analysis of cloud-based Educational

APPS using driving Forces:

* Cloud based Educational Platforms like

Conavas, Coursera, blockboard and Google Class

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* Driving Forces Reter to key Factors that shape the Growth and Evolution of these 2. Compare and Cons Diateoni. seeros assur stated of 1900 more whole

Technological Advancments:

Technological Advancments:

* Canavas and BlackBoard leverage At - driven

grading, Analytics and Adaptive Learning.

* More AI - driven Features, better ARIVR integration, and Improved cloud security HIST 1194

Market Demand For online Learning:

a coursera thrivy on demand for self-Paced learning and industry - Recognized Certifications

* Increased preference for blended learning Models. Expansion into k-12, univivisity and Corporate training.

Cost and Accessibility:

* Google Class Room is Evelen Making 1+

accessible worldwide. with your minimum

* More Free Courses with Micro- Exedentialing and subscription - based models. Example Move.

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* Cloud-based Educational apps are Evolving due to technological advancments, in creasing demand, Affordability and trends Point Global Accusibility. Future toward Al -driven Dersonalization, more Integrations and the EnPansion of enotabovotal stational situations

Remote Learning.

2. Designing Cloud Access with web Application

Frame Work:

- * A cloud based web application frame

 Work provides a structured way to

 Work provides a structured applications

 develop, deploy and manage applications

 develop and intra structure.
- 1. Architecture of cloud Access With Web Application Evame Mork.
 - -> Built with HTML, CIS, JS.

 -> Accesses cloud services through API'S
- 2. Web Application Layer
 - springBoot, Noderis.
- -, Manages user Authentication business.

 10 gic & Data Base Interactions.

- 3. API Gateway
- reconnects the application to cloud services
 like AMS API Gatimay, Google Cloud End Points.
- OAUTH. JWT, SSL
- 4. Cloud service Layer
- provides comptue Power. (AMS Lambda)
- -, manage bata Bases (AWS S3)
- -, Handles Storage
- 5. Load Balancer & CON
 - -, Ensury high avaliability with Awis
 - Elastic Load Balancer. Cold flave CDN.
- a optimited Content delivery
- 6. Security & Authentication
 - 21 Ensurus Compliance mith GDPR,

HIPAA, ISO 27001.

Relation with storage Area Metwork (JAN)

at A storage Area Network is a high speed network that connects storage devices to network that connects storage data management Cloud servers, improving data management

and Performance.

- 1. Data Storage & Retrieval
- 2. scalability & Performance
- 3. Disaster Recovery & Backup
- 4. DataBase Optimi Zation.

Conclusion Walle Util dollars de de prosent

A Cloud-based kleb Application frame work to interacts with a storage area Network to Ensure efficient. Scalable and Secure data storage. Stal Plays key Role in handling high-speed data transactions and cloud Performance.

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Cloud - Based web Application Architecture 3.

for a Real - Estate Business.

* magic brick is a Real Estate Platform

that connects buyers, sellers and Renters.

A cloud based web Application frame work Frontend,

for such a business includes

Backend, cloud services.

1. Front End (User Interface) 18: 1003 8 71100 1

2. Back End (Business Logic Layer)

API Gate May (middle Mare)

Cloud Services & storage,

AIB Analytics 5.

Security & Author tication. 6.

Role of Api's in Web Browsers:

romitest seen

1. Property Listing Apl's

user authentication ADI'S systems of elect

map & Location API's

Payment API's 4.

- 4. Messaging 8 Chat API'S
- 6. Recommend API'S

How API's Interact with Web Browsers:

- Fetching for Smooth UI. * AJAX Reguest:
- Enably structured * REST (Graph WL API'S! browsey and server. between data Enchange
 - SUPPORTS ROOM time messaging. 4 Meb Sockett:
- managu vier sulion & DAUTH & Cooleid: signa ingranied bridges Securley. (still of by him) fines of now topa

Cinclusion:

Estate Platform like Magic bricks Croud based Architecture for Relies on Scalability, security and Real time interactions. Apris enable Beamless Communication between heleb browsers and Backend ensuring smooth Payments, etc. SEYNICES