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04/10/2023	Name: Kaleena Shah
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4.7.	Subject : ADBMS
VILLY.	Trust rank investments & harmanate invariable.
	Experiment 1 man a minimum
tantala de	Aim: Case Study on professional and commercial database:
	A himmor he chance increasing and a remining
	Theory : railing our Tibe policings en it militare
	MakeMyTaip, one of India's leading online towavel
v Par	companies, has long sielled on Mongo DB as its database
athrough	system. Mongodb, a NO SQL database; offers advantages
hundh	like Developer ux., Scalability, Transactionality,
	platform maturity & an extensive ecosystem. These
	features have been vital for MakeMy Trip's operations.
	However as the company grows & the demand for
	nealtime data processing increases, its crucial to
	explase mose efficient solutions.
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3 1 1 i	Requisiements that ase crucial for Make My Toup's
	operations a qualiculariale at animal villainera
	(a) Real Time Data Processing
	(b) Scalability a little of the characteristics
	(c) Reliability sand a structure of the
	(d) Performance
	(e) Cost Effectiveness
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	What Mongo DB palovided us?			
-	(a) Developed UX			
	MongoDB's flexible schema allows developed to work			
	with semi-stauctured & stauctured data intuitively,			
	accomodating changing data siequisiements			
lo, b	(b) Scalability & Transactionality			
	Mongo DB's hosúzontal scalability supposts govowing data			
	volumes & tolansactional supposet, colucial fool			
	applications sequising ACID psoperties:			
	(c) Platfasim & Ecosystem Maturity			
	With a mature ecosystem & extensive community			
.71	supposet. MongoDB has prioven sellable. It integrates			
	well with various languages, frameworks & cloud			
( a f	platfacims my entraction in a plantition in his			
1	rolleger registration to the fire sould come is restricted			
3-	Limitations of Mongo DB			
1.1.	rice of the second of the seco			
	a) Joins not supposited			
	MongoDB lacks totaditional SQL join supposit, making			
	complex quevies with multiple collections challenging &			
-	potentially leading to slower query performance.			
	garaged the Land tening			
	(b) Limited Data Size & Nesting			
	MongoDB may not handle extolemely large datasets			
	efficiently on complex, nested data stoluctures			



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	Comparison	of MongoDB with o	ия ряоровед
	agrabase /	Apache Datura	
	Features	MongoDB	Apache Doluid
	Real Time	It is an excellent	It is designed specifica
(')	Data	for transactional	for real time data
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5	math. Minuch	not be the best fit	рэюvide sub-second
	100	for sieal time data	query responses;
		ingestion & fast	which is caucial for
	1	aggalegation quesiles	real-time data
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(2)	OLAP	It is a document -	Apriche Doiuid, with
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		operational workloads.	complex analytical
	7	However, it may not	
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		online analytical	thetter fit for
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<del></del>		over large datasets	
(3)	Data	It states data as	The cumposite data
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8-1-1-		ability needed	
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