

\rightarrow	Flowchart for real time computation
	· Let us assume that in a bool there are 500k entiries, the leaderboard would show top 10 players.
	the leaderboard would show top 10 players.
	· We would keep seconds of top 10 players in cache memory is
	· We would keep seconds of top 10 players in each memory so they are easily accessible. We may use Redis service for that
	· For the rest we would use permanent database
	· For the rest, we would use permanent database · Here's kubanetes version for the flowschart User User
	Pob
	Oployment Python Services for the UI)
	Deployment
	(: Canadart)
	(in flowshart) Pob Pob Ob Ob Ob
	Worker db
	Denlayment
	(. Net for computation) Pop Pop
	(. Net for computation)
	Cache
	(Redio survice for cache)
	UI Python service tor leaderboard
	tor leaderboard



- of would use EC2 for hosting the sources servers, docker containers to of Python, Redis, Net and Botgres as it is more convenient than the actual softwares
- · I have used diployments so that scalability won't be an issue.
- · The flowchart displays computation for top 10 positions only.
- Ansertion vort can be used as sorting algorithm in Cache memory as its best for already water nearly sorted data and data entry is also small in cache memory
- Red data which is in database is sorted, but since its not to be displayed on leaderboard, so we can spare some line for sorting lit.