

Bursary Management Application

We are tasked to build a bursary management application. From the beginning of every financial calendar year (From 1st march –end feb next year). BBD comes with a fixed amount of money and offers a portion of that of money to different universities. Those universities take money given to them by sponsoring deserving students from engineering and computer science faculties. While keeping their budget in mind.

Features to keep in mind:

- 3 layer architecture style
- Stack (SQL Database , JAVA/C# , HTML/&CSS)

Student

- Selected students should have age cap of 35 and South African
- Must be black /colored/ Indian

Universities

- If a university applies, then BBD selects which one to take
- With rejection, you need to give a rejection
- Should be able to submit their selected students, in that transcripts, budget (max R125000 PER STUDENT), personal documents
- If someone is in their last year and is doing well, they may get employment offers for grad program.
- For if university runs out of funds, the system should not allow submit more bursary applicants

System

- From Admin side. Should be able to add institutions
- From Admin side should bursar students keep track of the bursar
- CRON job to rest funds every year
- If systems sharing a database, we need system with different permissions
- The system should automatically distribute fund equally to all institution and allow the administrator to adjust the distribution
- Can't changing funding amount for the current Finacial year
- If financial calendar changes should be able to change it in the system easily
- Consider protecting against SQL injections