

DFD from Textual Description

(an example)

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System description (mtg#1)

“Process university applications”

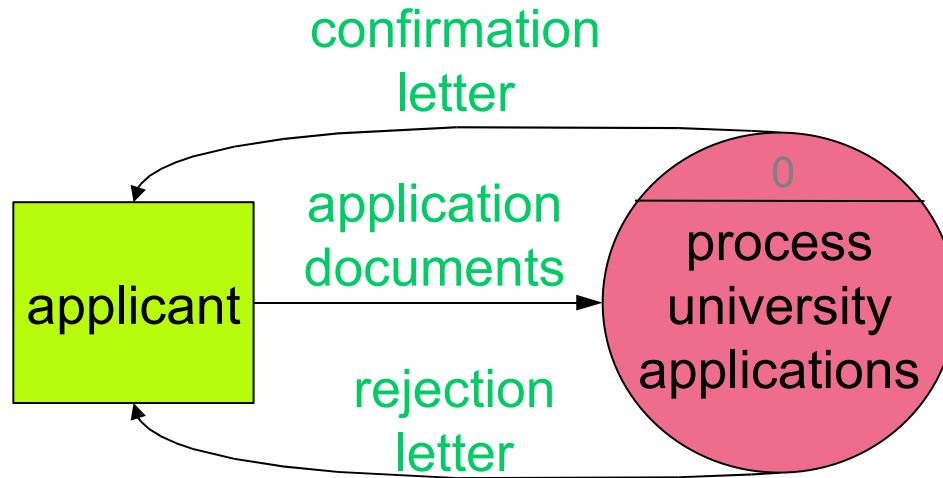
1

An applicant sends in application documents containing their personal details, their qualifications and their desired course. The university admissions office checks the application documents for legality, entry requirements and course availability.

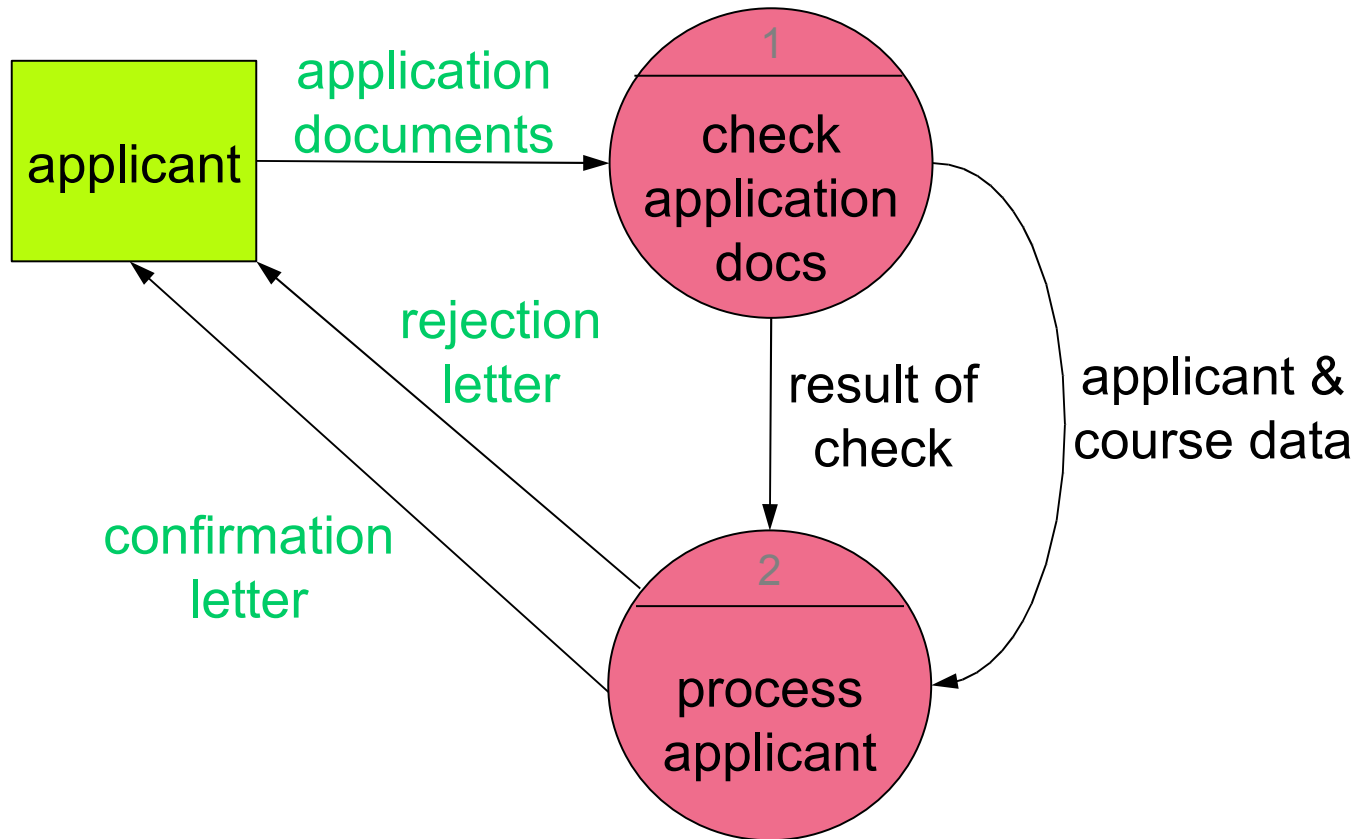
2

Each applicant is processed and if the course is available, the applicant is enrolled, and the university confirms this by sending a enrollment confirmation letter to the applicant with course and applicant details. Otherwise, the applicant is sent a rejection letter.

The Context (Level 0) DFD



A Possible Level 1 DFD



Additional data (mtg#2)

On the basis of the application documents, the admissions office will extract applicant and course details, ascertain whether all the requirements are satisfied and if so, ascertain whether all qualifications have supporting certification. Based on the presented documents, a result will be formulated.

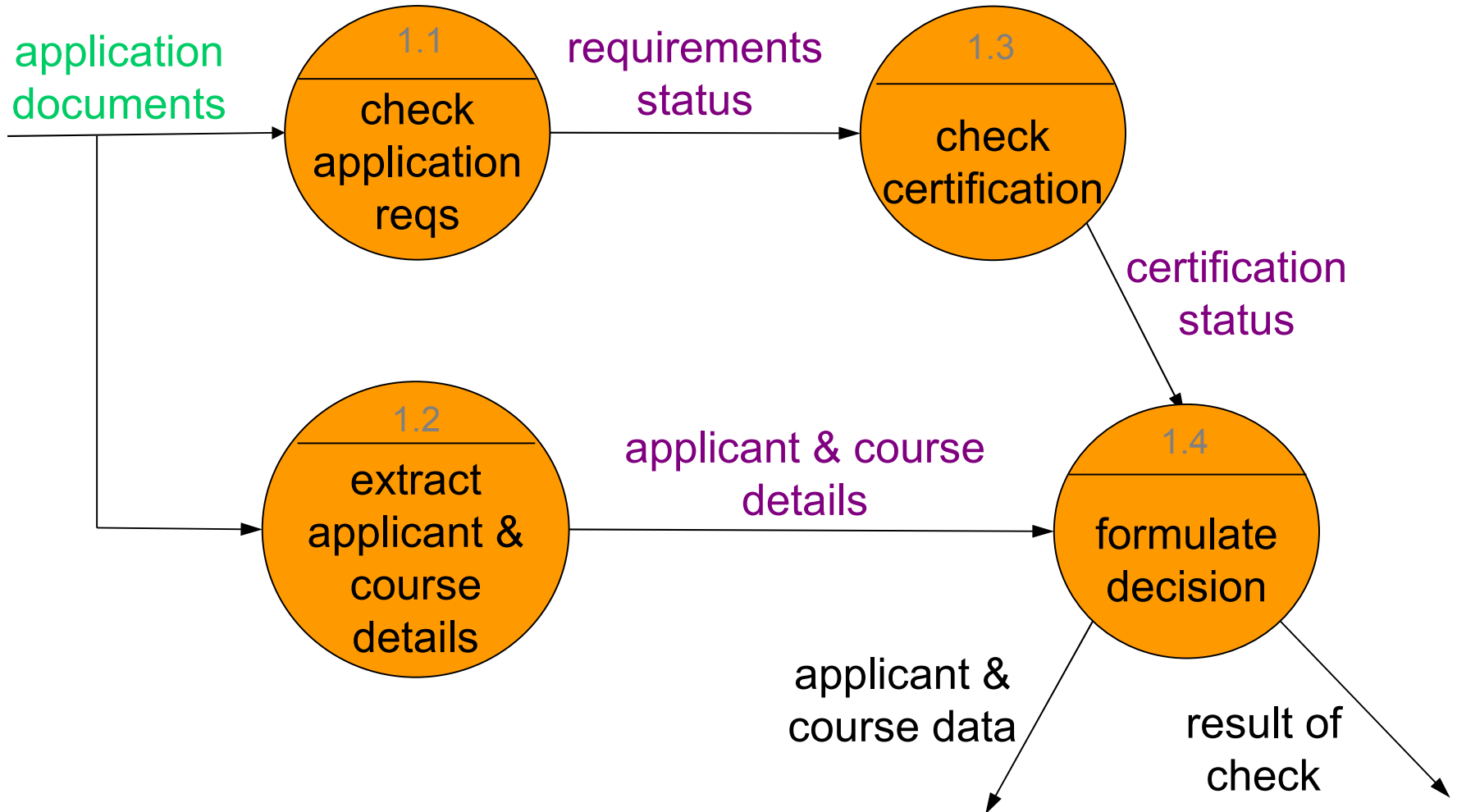
1.2

1.1

1.3

1.4

A Possible Level 2 DFD



Additional data (mtg#3)

On the basis of the document check and

2.1 the application data, admissions staff will

2.2 determine whether to either register the

applicant's details in the university-wide

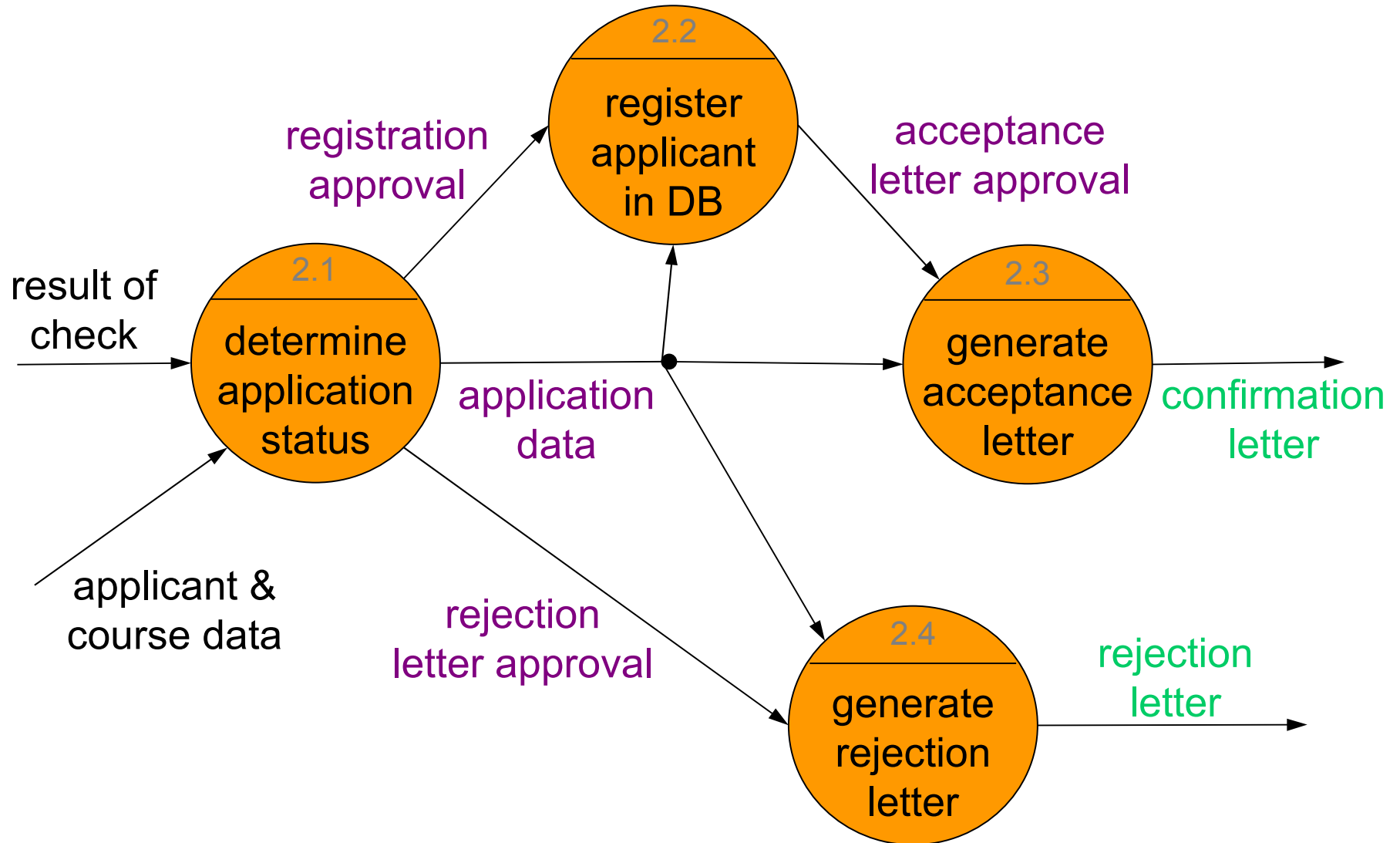
2.3 database and issue an appropriate

2.4 acceptance letter, or simply issue an

appropriate rejection letter, to the applicant

in question.

Another Possible Level 2 DFD

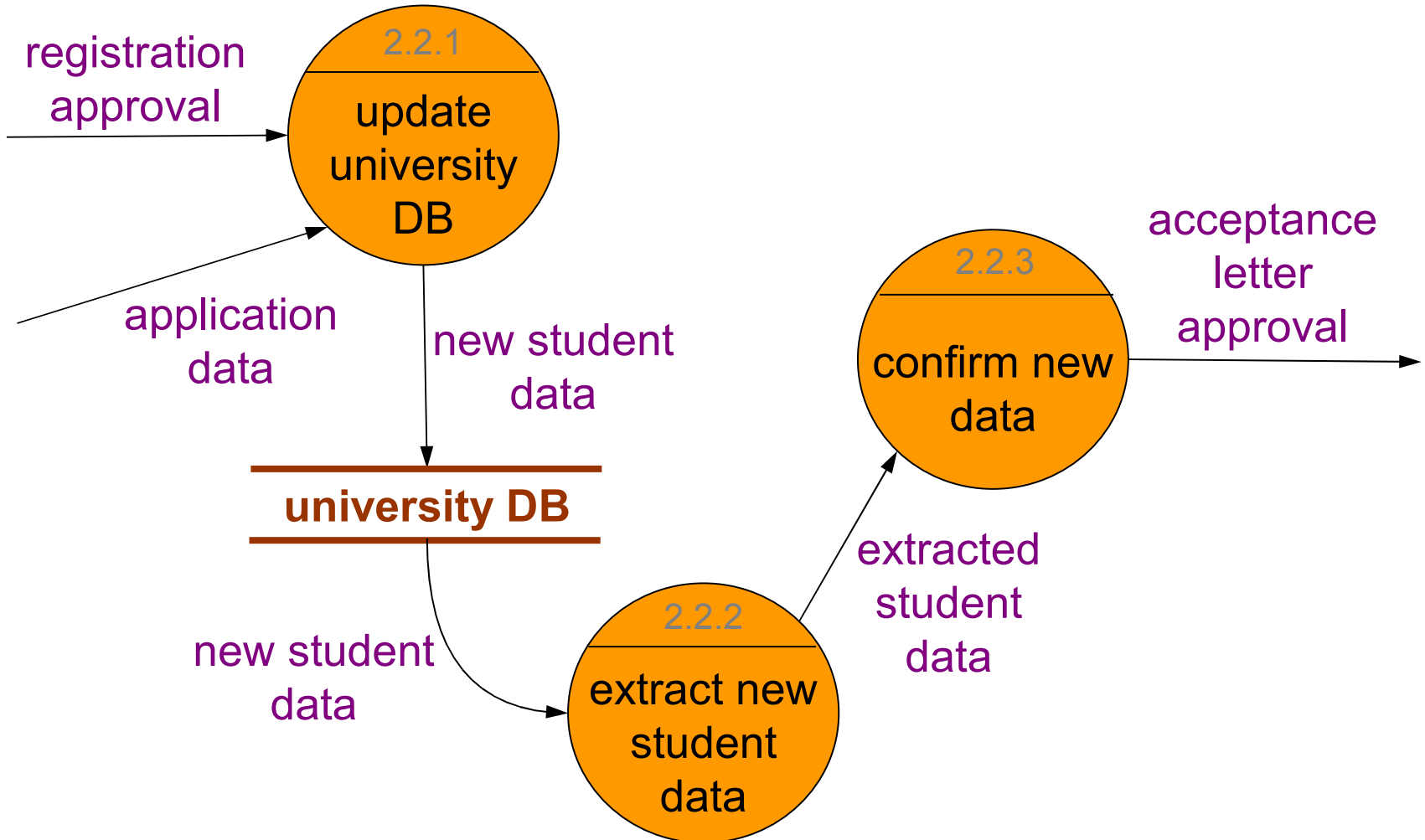


Additional data (mtg#4)

After approval, admissions staff should finalise the applicant's registration by

- 2.2.1 updating the university-wide database with the new student's registration details, and
- 2.2.2 then extracting and confirming the new
- 2.2.3 student's data from the same database.

Possible Level 3 DFD



End

We can stop at this point.
I think you got the idea.