

# ONLINE FLOWCHART AND ADVISING SYSTEM

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## Background Information

An academic program worksheet and flowchart is the primary communication path between a student and their academic advisor. Within a program, a student's record is often maintained on a paper worksheet or electronic document. Planning is usually captured with notes made on these documents which can be difficult to manage. The conversion to a semester system also resets this planning knowledge to zero.

## Features

- Display student record in flowchart and worksheet views.
- Allow students to plan future classes from both views.
- Create curricula that are abstract enough to convert between semesters and quarters.
- Attach annotations and files to a student's record.
- Importing and exporting of student data.
- User roles with different user permissions.

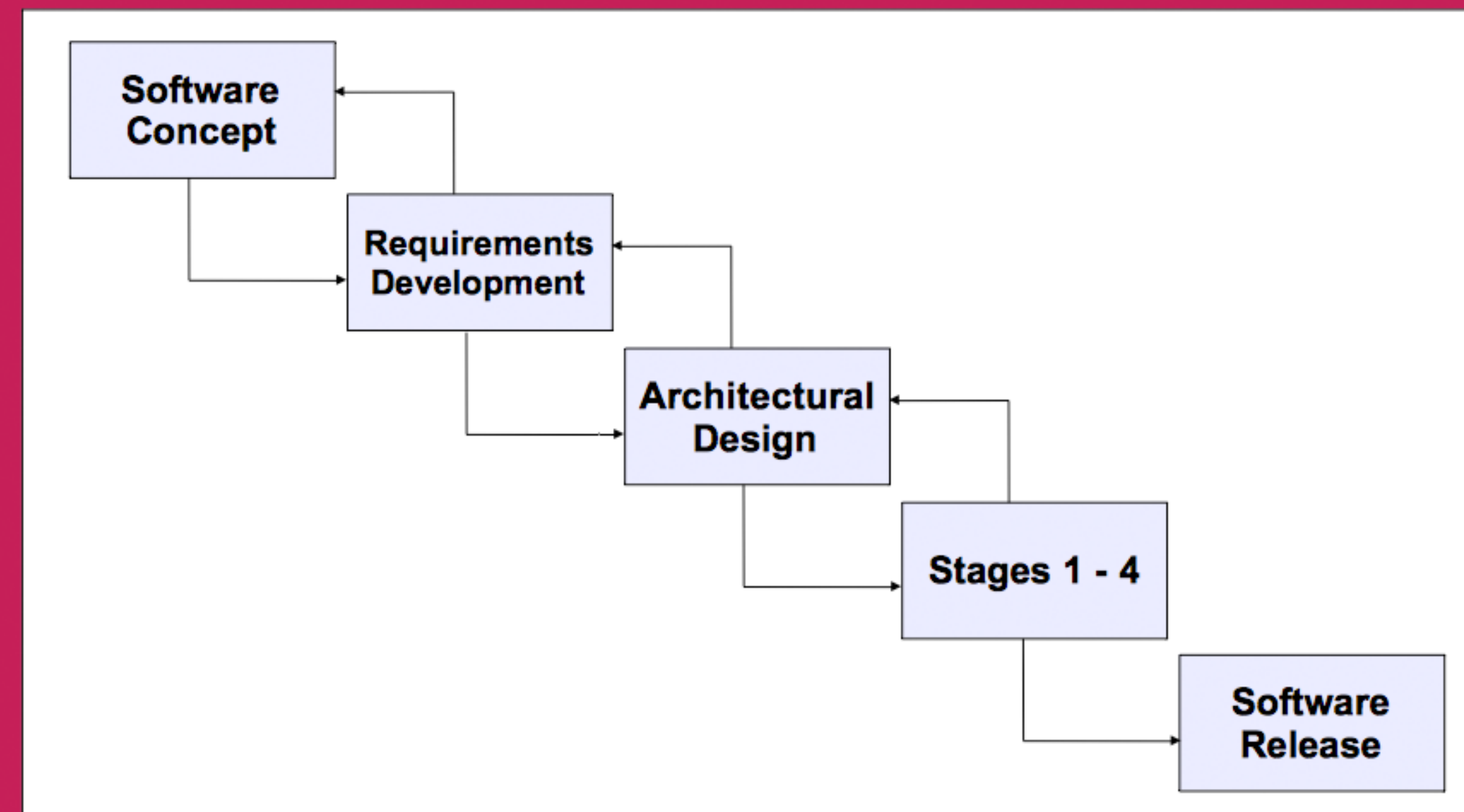
## Constraints & Assumptions

- Web based for universal access.
- Abstract curricula for any department at RIT.
- Supportable by ITS.
- Deployable on the ITS system.
- Artifacts must be acceptable by ITS for development.
- Exporting must follow the proper pre-defined IAP format.

## Technologies



## Process

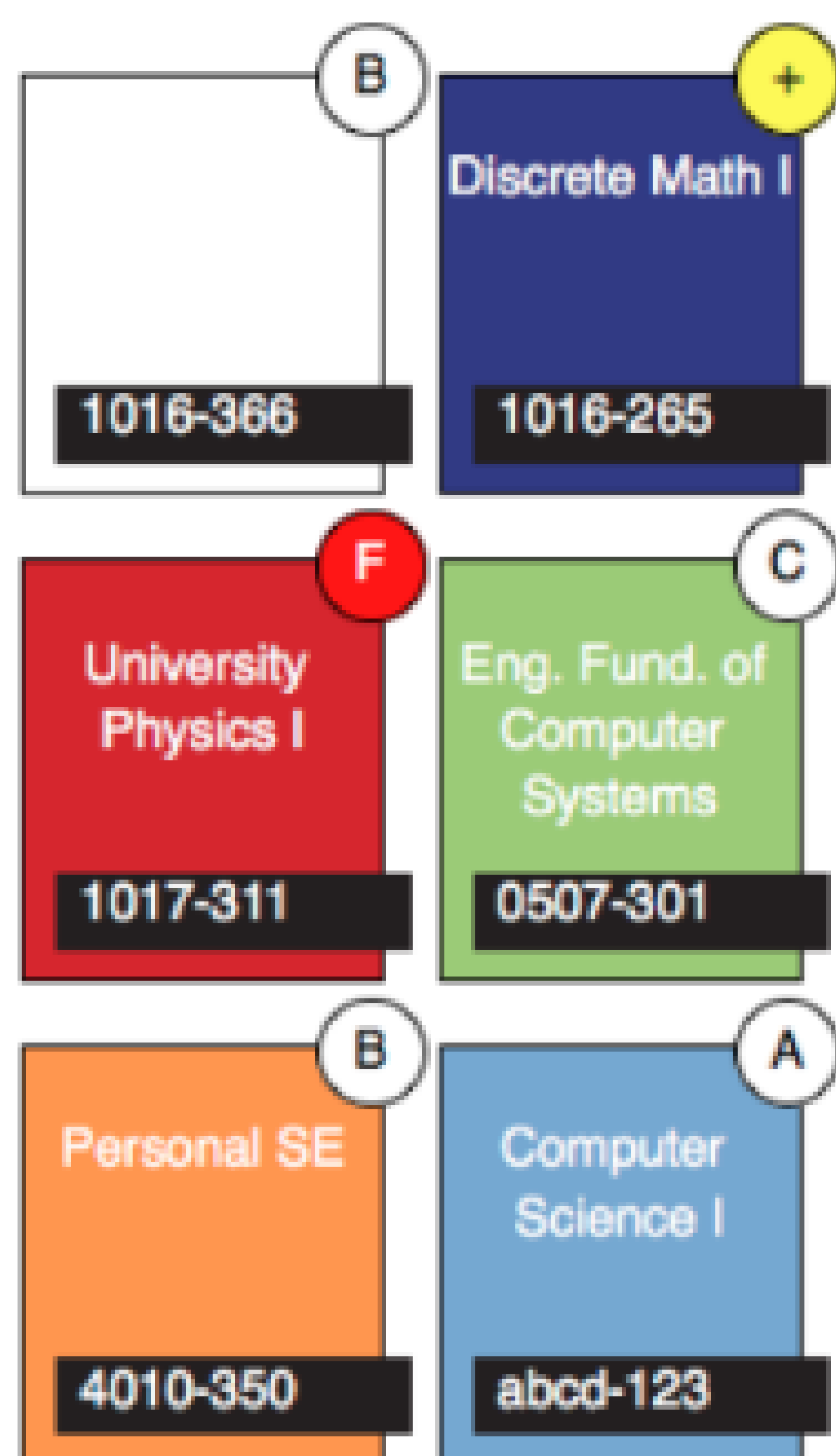


## Lessons Learned

- Use better techniques for estimating deadlines.
- Don't overestimate the team's ability.
- Watch out for scope and feature creep.
- Negotiation skills are useful.

## Two Student Record Views

### Flowchart



### Worksheet

Mapping Semester and Quarter Courses

Credits	Grade	Term Taken	Taken Course Name	Taken Course Number	Equivalent Course Number	Placeholder Name
4	A	20071	Computer Science I	abcd-123	4003-233	Computer Science I
4	B	20071		1016-366		
4	C	20071	EFCS	0507-301		Eng. Fund. of Computer Systems
4	B	20071	Personal SE	4010-350		Personal SE
4	F	20071	University Physics I	1017-311		University Physics I
4	+			1016-265		Discrete Math I