A STUDENT INFORMATION SYSTEM WITH PLONE

Gildardo Bautista Garcia Cano
Adriana Ramirez Vigueras

WHO ARE WE?

- National Autonomous University of Mexico (UNAM)
- The University Includes high-schools, undergrad colleges, graduate schools, research Institutes
- We are at the Institute of Mathematics, which main activity is research and teaching

WHO ARE WE?

- As an academic institution it has associate students.
- There are above 130 students, per semester.
- We have undergrad, grad and PHD students
- Each student must have and advisor

STUDENT INFORMATION SYSTEM

A student information system (SIS) is a software application for education establishments to manage student data.

These systems vary in size, scope and capability.

SCHOLARSHIP

The institute gives special benefits to students, such as:

- Office and desk
- Access to the Library
- email account
- Economic support for different academics activities: conference, workshops, research stays, etc.

SELECTION PROCESS

SCHOLARSHIP COMMITTEE REQUIREMENTS

- The committee wanted a simple solution
- They want to participate in the development process

FIRST APPROACH

PLONEFORMGEN

- This package provides generic Plone form generator.
- Builds simple web forms that save or mail form input.

Solicitud de Ingreso

INFORMACIÓN GENERAL

A.1. Nombre ■

Apellido Paterno Apellido Materno, Nombre(s)

A.2. Correo electronico ■

A.3. Nombre asesor ■

Apellido Paterno, Apellido Materno, Nombre(s)

A.4. Correo electrónico del asesor ■

A.5. Número de cuenta

A.6. RFC ■

A.7. CURP ■

A.8. Fecha de nacimiento ■

-- / -- / --

PFG CONFIGURATION

- Send Email to advisor requesting student references.
- Send Email to committee for review
- Save data to CSV format

PFG CONFIGURATION

Solicitud de renovación D.F. 2014-01

por admin — Última modificación 27/03/2014 16:32 — Histórico

Subir un nivel

Seleccionar: Todo

Orden de visualización

		Título	Tamaño	Modificado	Estado	Ordena
⣿	☐	Envío de correo	0 KB	04/02/2014 10:33		⚙
⣿	☐	Gracias	0 KB	22/01/2014 11:33		⚙
⣿	☐	Guardar	0 KB	02/02/2014 15:18		⚙
⣿	☐	userid	0 KB	20/01/2014 16:54		⚙
⣿	☐	INFORMACIÓN GENERAL	1 KB	20/01/2014 17:04		⚙
⣿	☐	INFORMACIÓN DE LA BECA	1 KB	21/01/2014 01:42		⚙
⣿	☐	ESTUDIOS REALIZADOS	1 KB	21/01/2014 01:43		⚙
⣿	☐	INFORME	1 KB	21/01/2014 01:45		⚙
⣿	☐	COMISIÓN	1 KB	21/01/2014 12:02		⚙
⣿	☐	Envio	0 KB	22/01/2014 10:34		⚙
⣿	☐	Registro Becarios Anteriores	0 KB	26/01/2014 21:51		⚙

Copiar | Cortar | Renombrar | Eliminar | Cambiar Estado | Subida de archivos | Ordena carpeta por...

EXTRA CONFIGURATION

- Delete duplicate applications
- Send CSV file to committee
- Export CSV file to reStructuredText format
- Transform rst file to HTML and Rich text format (rtf)

PUBLISH STUDENTS LIST

César Alejandro Arellano
56224542
ces-al@comunidad.unam.mx
Más acerca de César Alejandro Arellano...

Andrés Astorga
astorgaespriella@hotmail.com
Más acerca de Andrés Astorga...

Luis Francisco Bazán
luisbazanestrada@gmail.com
Más acerca de Luis Francisco Bazán...

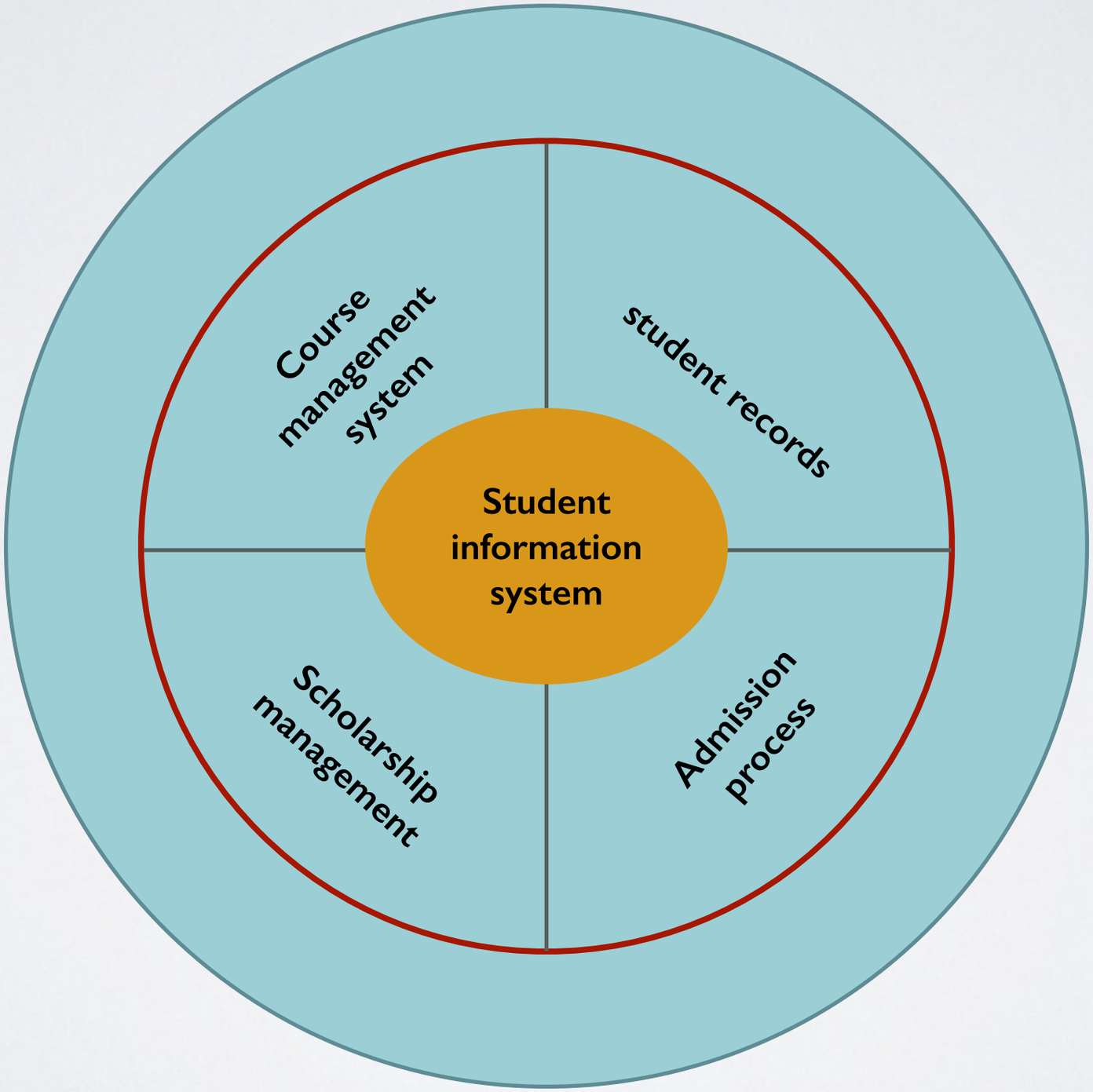
ADVANTAGE

- Easy implementation
- Committee was able to create and update the form fields
- Prefilled form for next applications
- Works for new and renovation applications

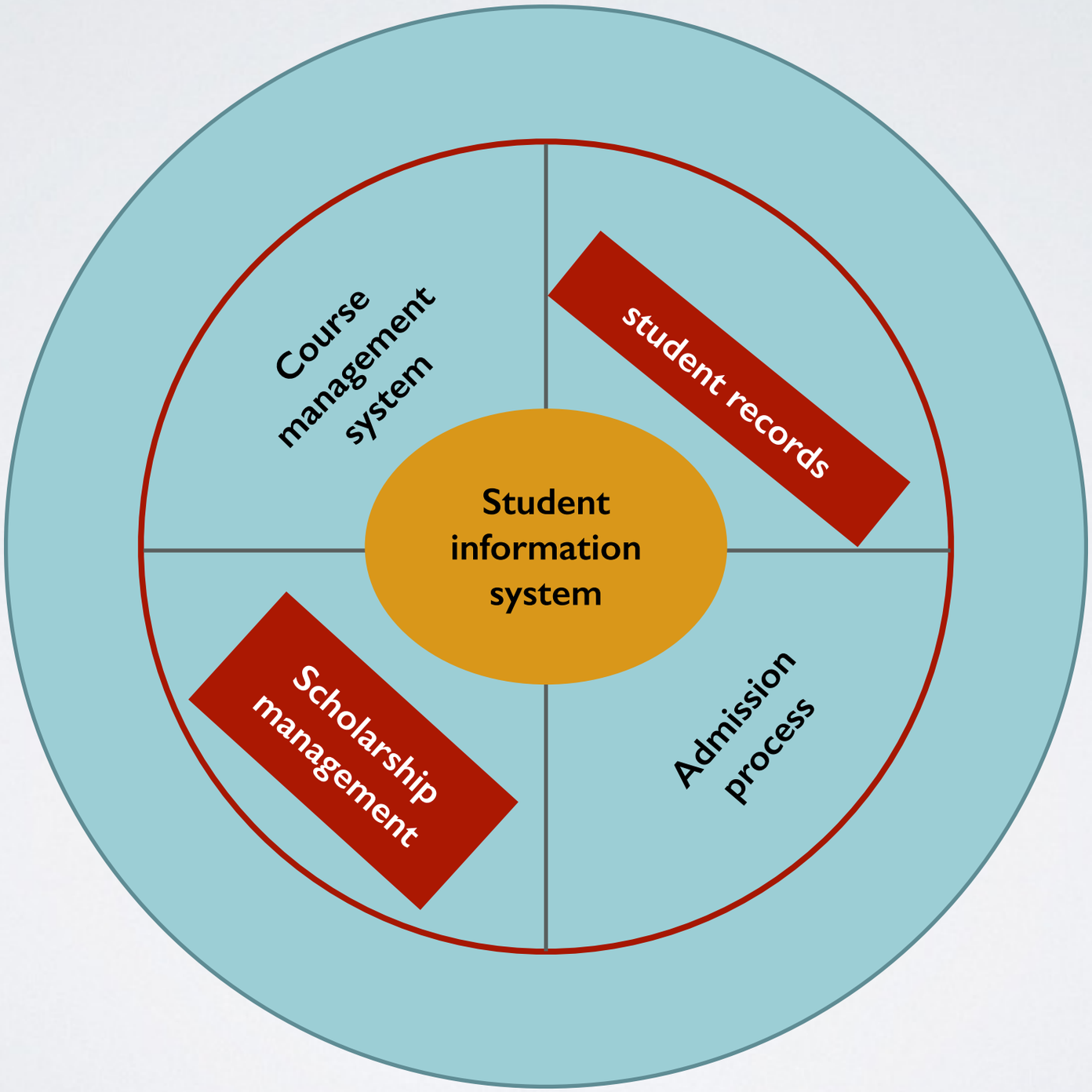
DISADVANTAGES

- No automatic workflow
- Depends of external scripts and Excel
- Form updates implies CSV file updates
- No easy way to search individual student information

DIFFERENT APPROACH



DIFFERENT APPROACH



STUDENT RECORD

- Personal data (student id, name, gender, etc)
- Emergency contact facility available
- Previous education details can be recorded
- Photo upload facility

STUDENT RECORDS

[edit]

Pedro Sánchez Flores

Campus: Juriquilla | Level: Master | Tutor: Jorge X. Velasco

Office: salón grande | pedro@im.unam.mx

Student number: 402467897
RFC: SAFP870623
CURP: SAFP870623
Born Date: 1987-06-09
Gender: Male
Cell Phone: 5555555555
Country: Mexico
Nationality: mexicana

El becario no tiene solicitudes

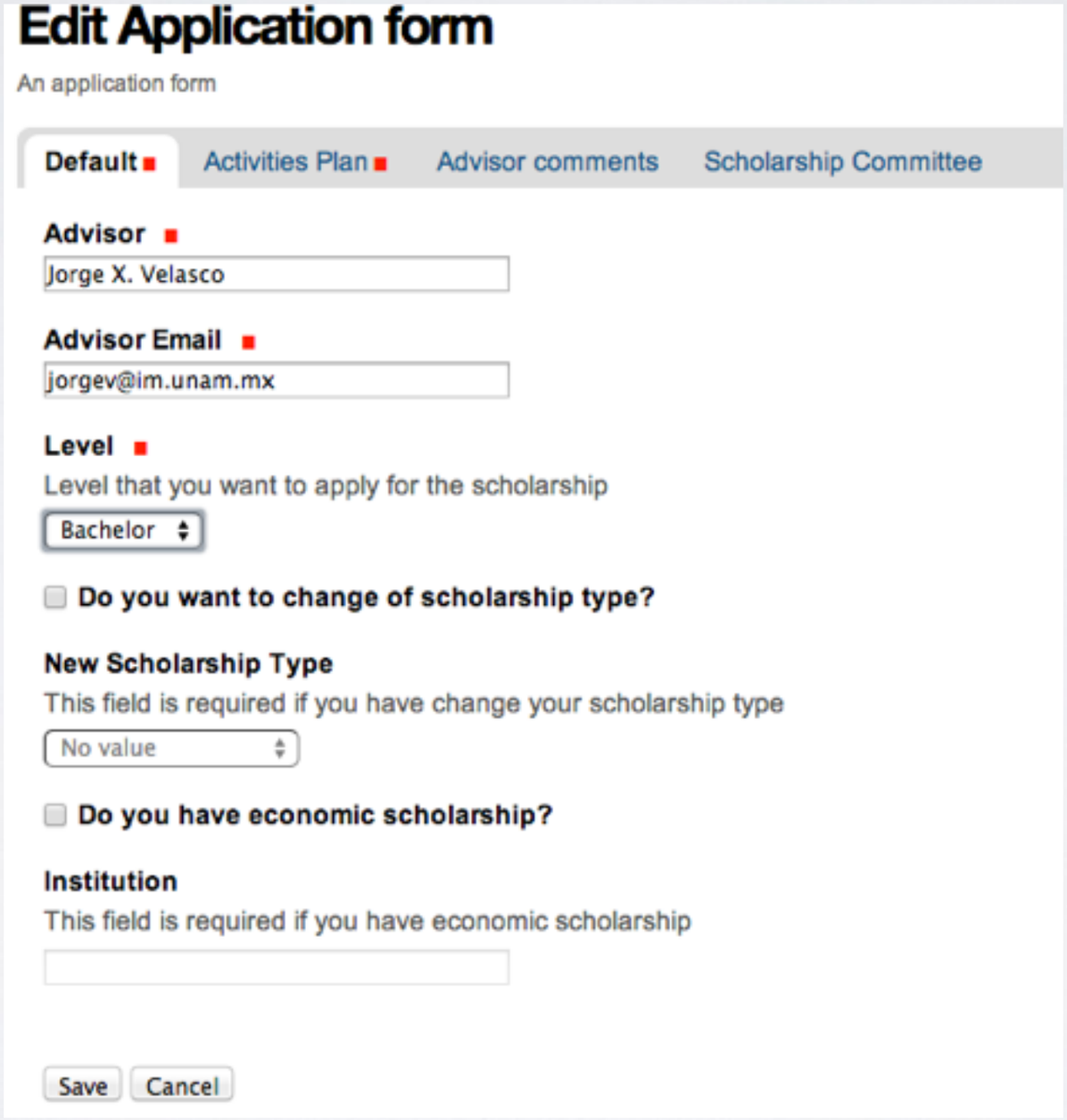
ADITIONAL FEATURES

- Search existing and former students
- Search facility based on different filters
- Analyze student's performance

SCHOLARSHIP APPLICATION FORM

- Comprehensive application form
- Allow information about courses that the student will take
- View the status of the applicant like pending, eligible etc
- Completed registration form print facility available
- Campus based registration

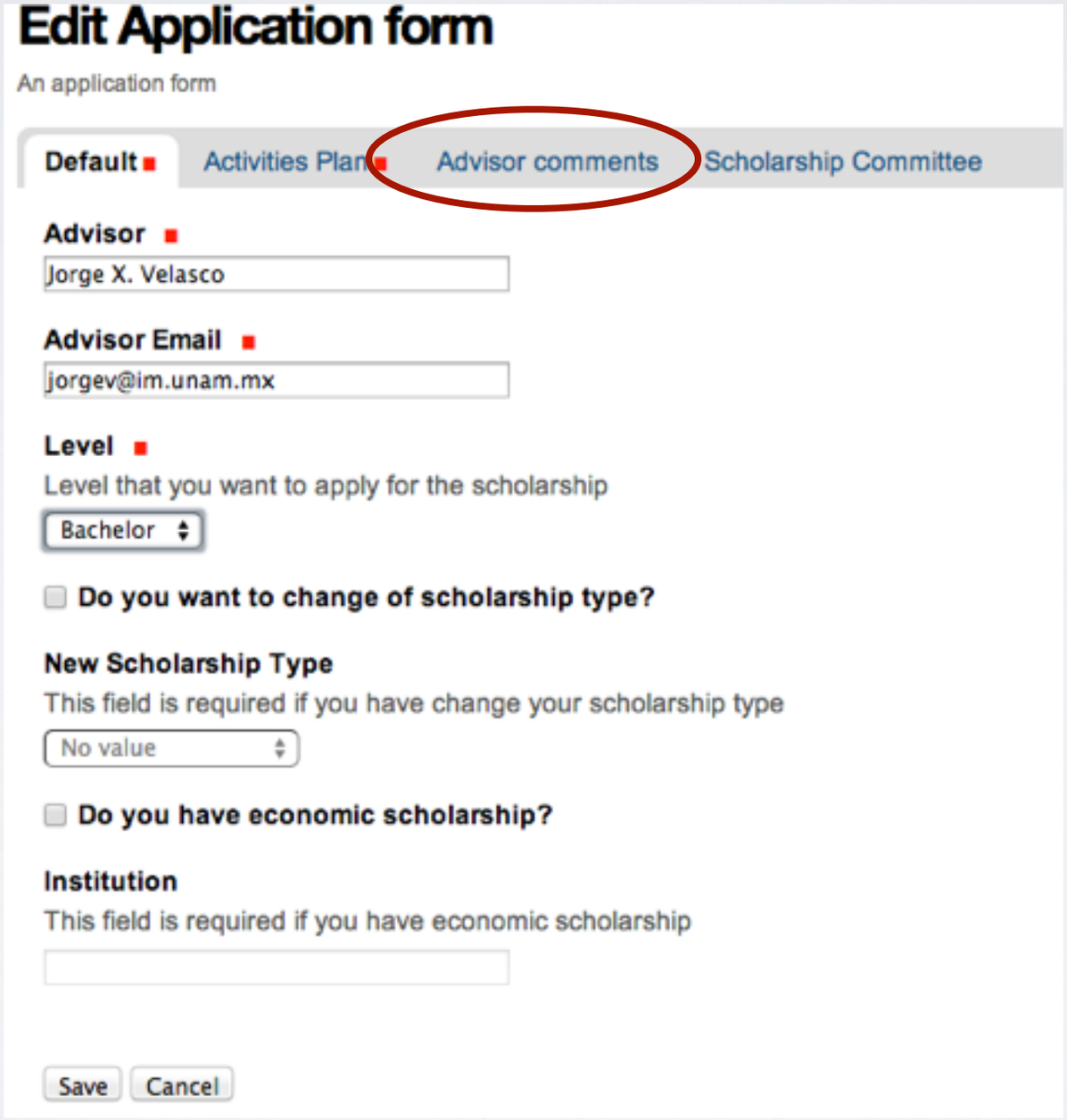
SCHOLARSHIP APPLICATION FORM



SCHOLARSHIP APPLICATION FORM

- Advisor can view the submitted application and can give the comments on the same

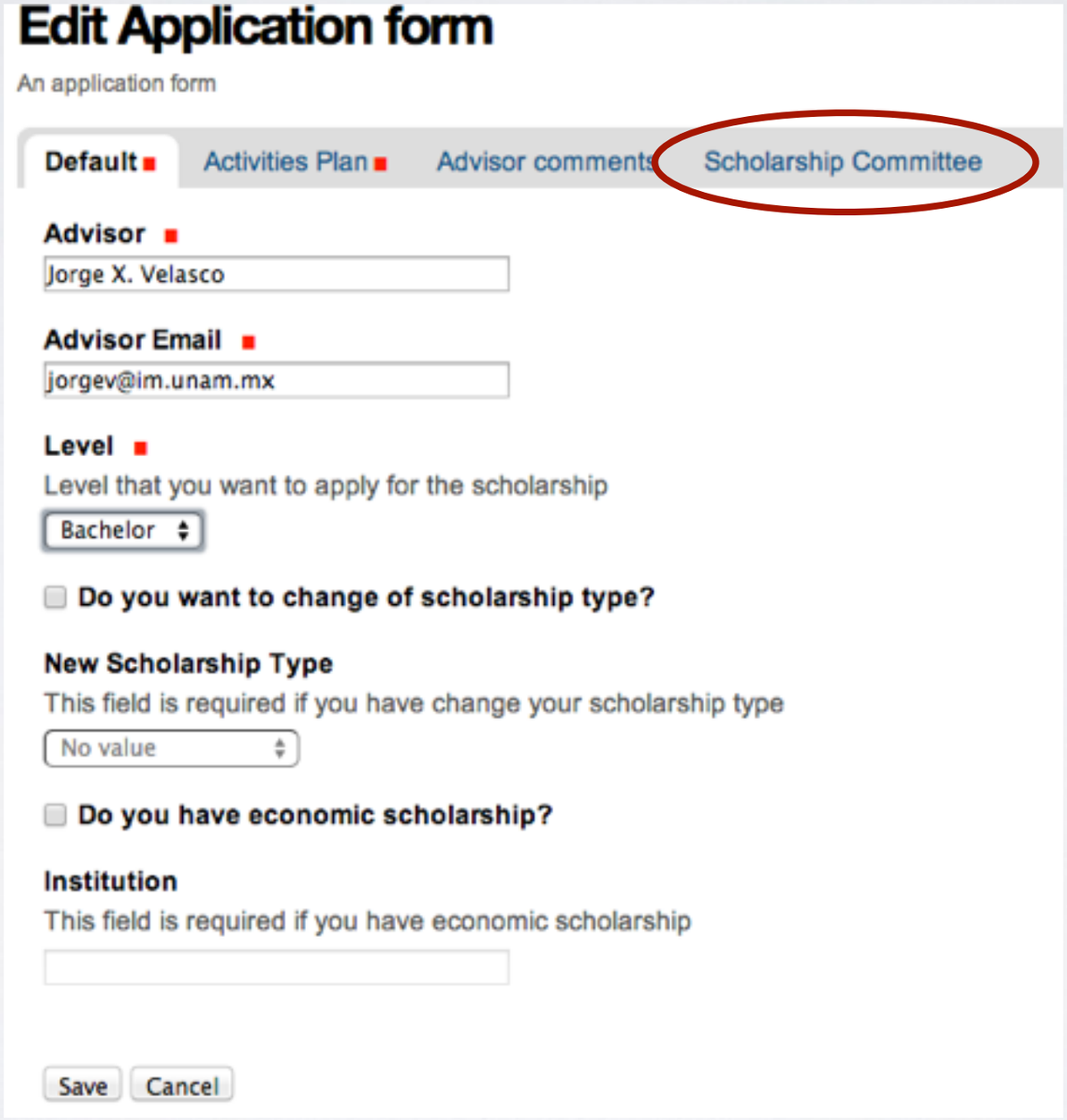
SCHOLARSHIP APPLICATION FORM



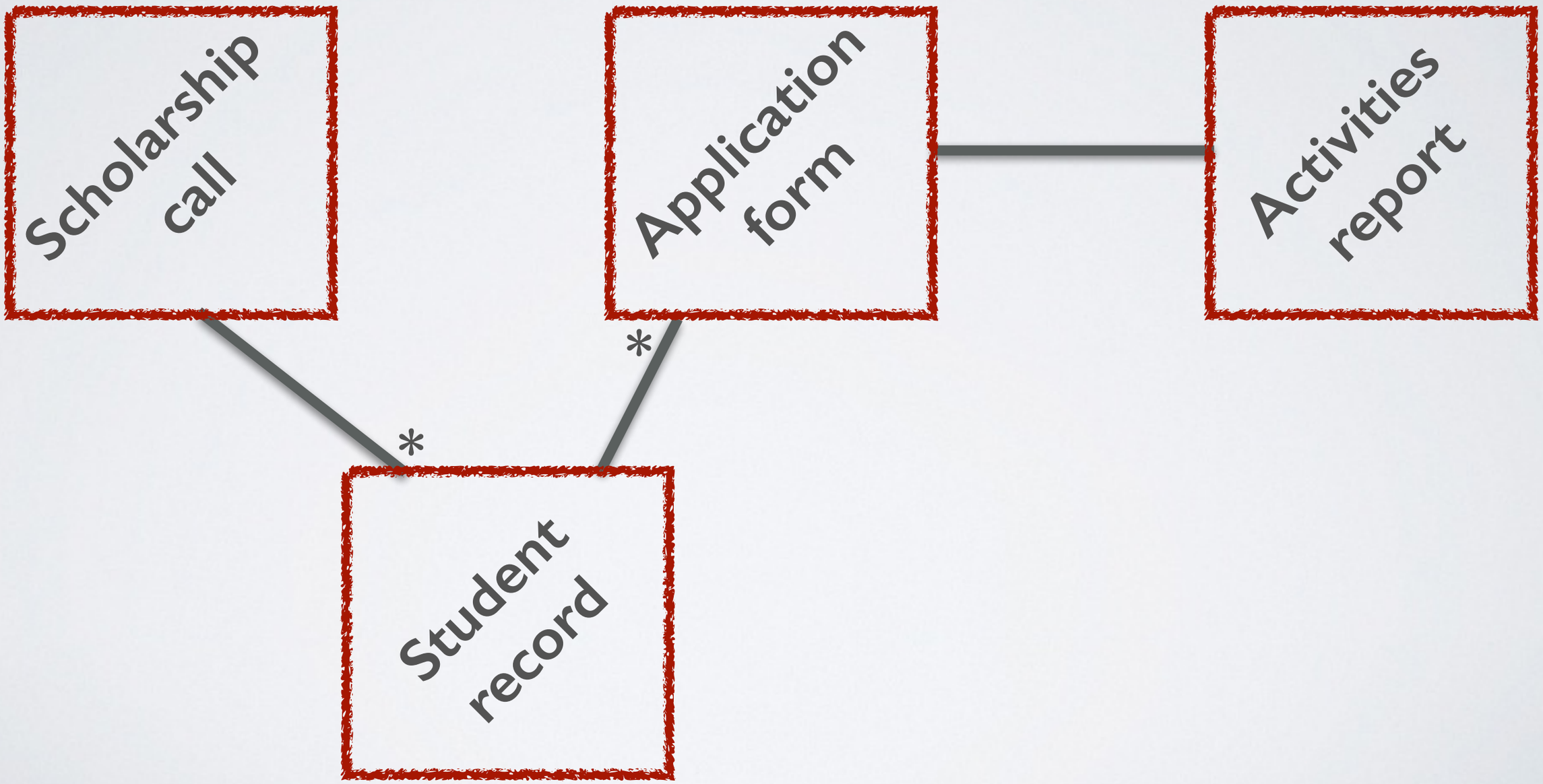
COMMITTEE MEMBERS

- Search for users using different criterias
- Assign scholarship type to students
- Export Student data to different formats
- Publish student list

SCHOLARSHIP APPLICATION FORM



SCHOLARSHIP RELATIONS



SCHOLARSHIP CALL

Edit Scholarship Call

A scholarship call

Title ■

Convocatoria 2015-I

Start date ■

11 / August / 2014 00 : 00 AM

End date ■

25 / August / 2014 00 : 00 AM

Details ■

Scholarship call information

Text Format text/html

Style... B I HTML

Esta es la convocatoria de agosto a enero de 2015 ...

Start Date ■

Start date of scholarship period

WORKFLOW

Student

Apply

Advisor

Report

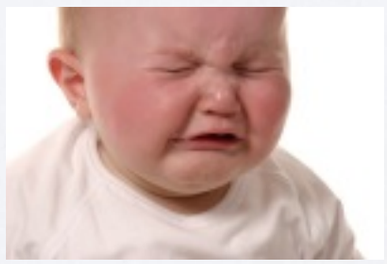
Endorse

send

Committee

Accept

Reject



FUTURE WORK

- Make this product as generic as posible.
- Try to make an out of the box solution for a more complex subset of features.

THANKS