



# SHIKSHA

## The Planner

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# Problem Definition



ACADEMIC TRANSITION  
PROGRAM IN UNIVERSITY OF  
REGINA



CURRENTLY USING AN EXCEL  
SHEET FOR THEIR GRADING  
CALCULATOR



THERE ARE A LOT OF ISSUES.

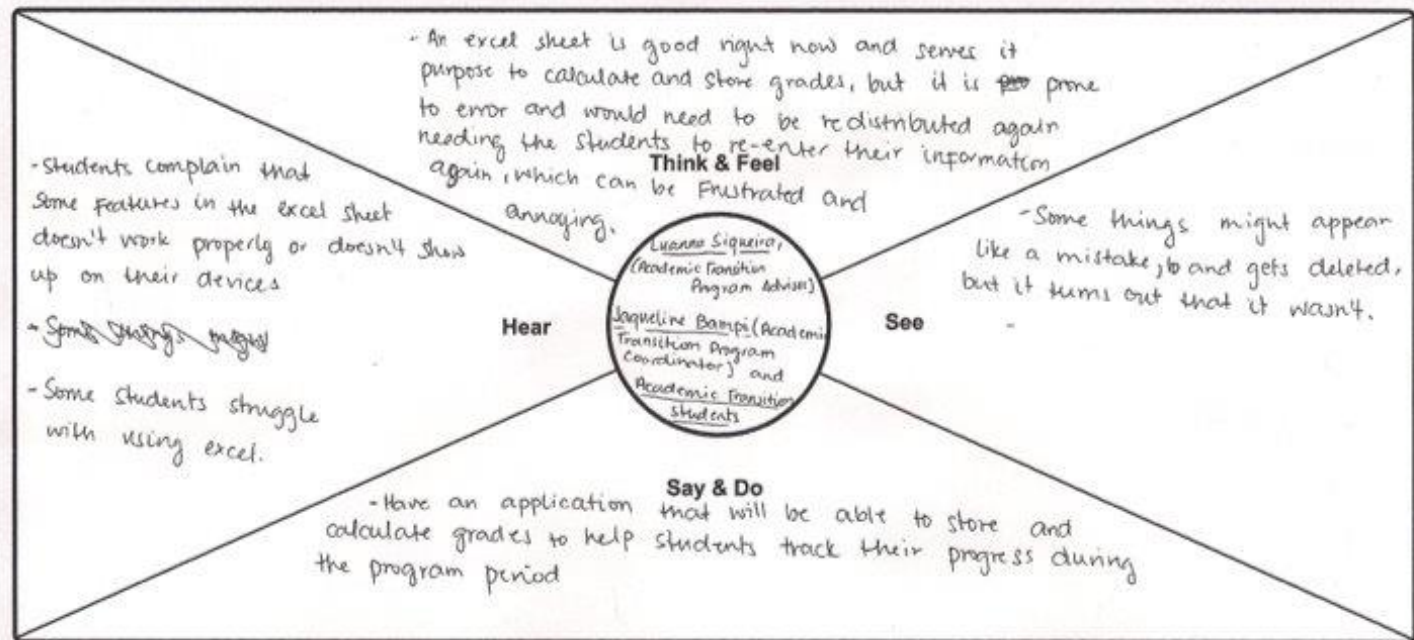


NOT ALL STUDENTS  
UNDERSTAND EXCEL AND  
WOULD MAKE SILLY MISTAKES

# Stakeholder Empathy Map

## Customer Empathy Map

PivotBot.



# Motivation

Help fellow students

Get out of the Probation  
Program

Webpage will be used in the  
SSW ACT class

Proper and error tolerant web  
page



# Problem Solution



Our solution is SHIKSHA The Planner.



An interactive web-based application

# COMPARISON

	Excel Grading Calculator	SHIKSHA The Planner
Login and signup	✗	✓
Error tolerant	✗	✓
Has Academic Plan	✗	✓
Portable (use in different devices)	✗	✓
Dynamic	✗	✓

The background of the slide is a dark, semi-transparent image showing several hands interacting with various electronic devices, including laptops and tablets, on a wooden desk. The overall tone is professional and tech-oriented.

# ASSUMPTION

Application is for students who are in academic transition program  
Inputs coming from devices



- Constraints
  - Enter previous grades
  - Not free to design



# User Requirements

HAVE USER SIGNUP AND LOG IN

STORES USER'S INPUTS  
(ASSIGNMENT GRADES,  
GRADES FROM PREVIOUS  
CLASSES)

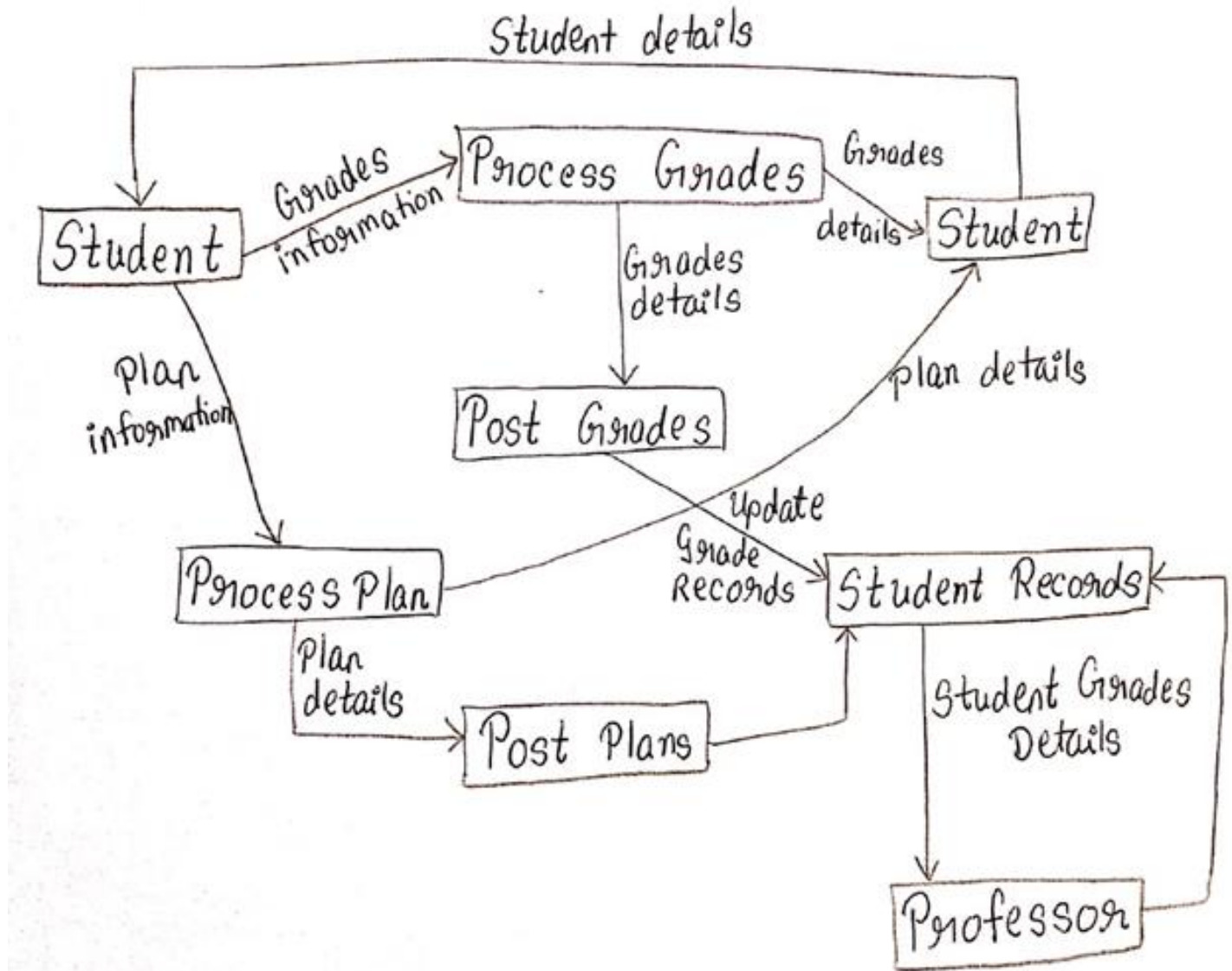
FROM THOSE STORED DATA BE  
ABLE TO CALCULATE THE  
USER'S UGPA ACCORDING THE  
UNIVERSITY OF REGINA  
STANDARD

HAVE THOSE DATA AND  
CALCULATIONS SAVED WHEN  
THE USER LOGS BACK IN SO  
THAT THEY DON'T HAVE TO  
KEEP ENTERING THEIR  
GRADES

HAVE A DIFFERENT SECTION  
FOR THE ACADEMIC  
TRANSITION PROGRAM CLASS

INCLUDE A LEARNING SECTION  
WHERE THE INSTRUCTOR WILL  
BE ABLE TO TEACH STUDENTS  
HOW TO USE THE APPLICATION  
PROPERLY

# Data Flow Chart



## Course 1

Name:	<input type="text"/>	School and Community Organizations Club Event I will participate in:
Degree:	<input type="text"/>	<i>(Your program website is a good place to look)</i>
Minor (if applicable):	<input type="text"/>	
PGPA Required:	<input type="text"/>	Supports I will use:
Total credit hours needed:	<input type="text"/>	<i>(E.g., Tutoring, Global Learning Centre)</i>

NOTE: Information inside the box does not need to be changed, it will automatically change as information is being added.

Course Item	Due Date	Due In	Weight (%)

### ed on Remaining Items:

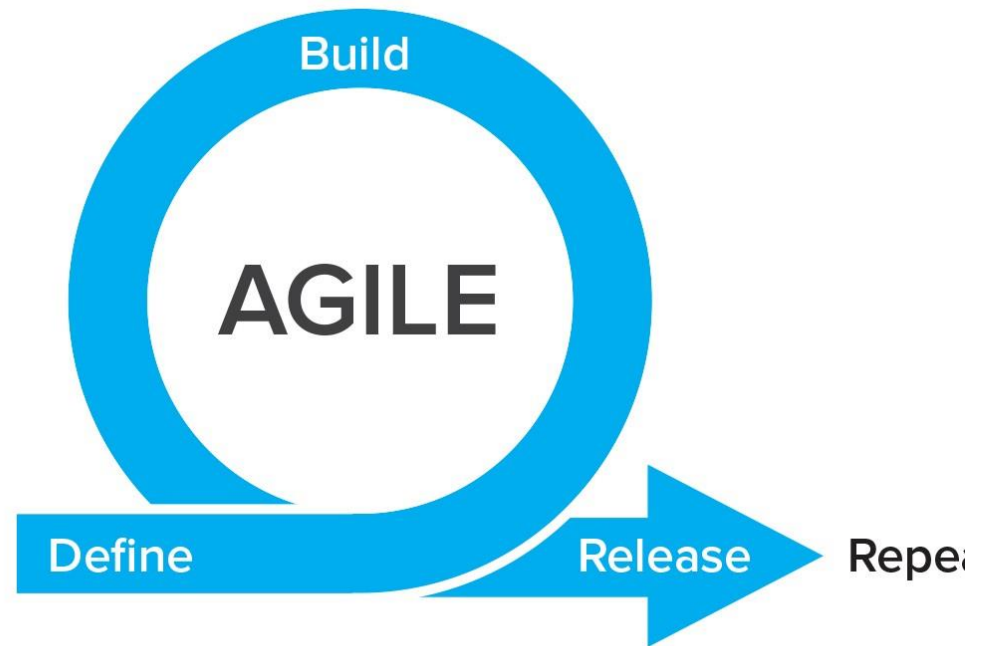
**Classes planning to take:**

[illegible][illegible]

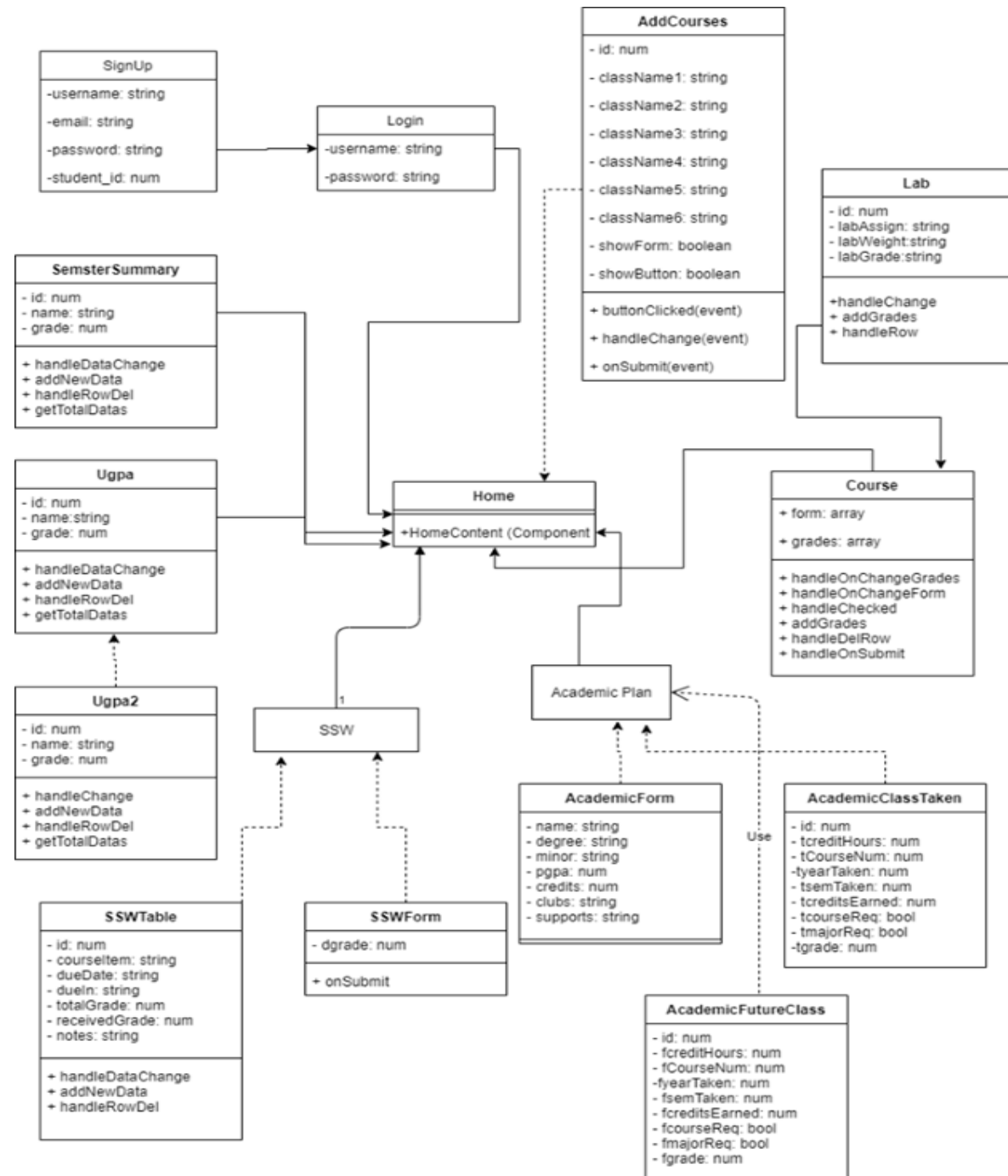
# Initial Static WebPages

# Methodology

- Initial Plan - Hybrid Waterfall and Agile
- Final Plan – Agile



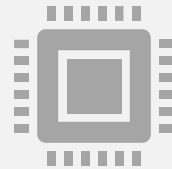
# Logical Data Model



# Languages used



Front end: React JS, and CSS



Back end: PHP, and MySQL

# Stories on Board

## CALTOR

Students																							
Add classes already taken to determine UGPA				Students		Add classes				SSW-ACT				Students		Put information about the classes				Students		Academic Plan	
Sign Up	Log in	Open UGPA page	Add Information	Visit home page	Add Courses	Add Labs	Visit home page	Click on the SSW-ACT course in home	Add desired grades, and grades that will get throughout the	Visit courses needs editing	Add Information	Visit Home Page	Click on Academic Plan	Add students academic information	Add Classes Taken	Add Classes Planning to Take	Basic home page	Practice SSW-ACT	Practice Course	Practice UGPA	SSW-ACT Templates	Course Template	UGPA template

## Release 1 MVP:

Basic Sign Up Page	Basic Log In Page	Tabular Form Page	Add Classes	Basic Home Page	Click +Courses (in the home page)	Select Lab		SSW-ACT page	Add grades	Click Course Name	Assignments and due dates												
Add sign-up information to database (mySQL)	Pull information from database to see if user input is a match		Add grades		Add Courses				Store into database		Exam Dates												
			Add grades into database and calculate based on UoR								Grades												
											Add assignments and their due dates, exam dates and grades												

## Release 2 MVP

Basic information page	Planning Page	Planning Page				front-end interface	front-end interface	front-end interface	front-end interface	front-end interface	front-end interface
Add information given into database	Add classes, grades, etc.	Add classes									
	Edit and Delete added classes	Edit and delete planned classes									
	add, delete and edit classes placed into the database	add, delete and edit classes placed into the database									



Logo UofR
Logout

UGPA

Completed Courses

Add Subject

Subject	Grade
Current UGPA	0

Current Courses

Add Subject

Subject	Grade
Possible UGPA	0

Logo UofR
Logout

Semester Summary

Add Course

Course	Course Average

# Final Lo- Fidelity

# Security and Privacy



Loss or corruption of  
data



Disclosure of secrets or  
sensitive information



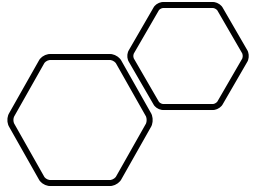
Disclosure of  
privileged/privacy  
information



Corruption of the  
software or introduction  
of malware

A large, dark blue, irregular shape resembling a watercolor splash or ink blot is centered on a white background. The shape has a textured, slightly grainy appearance. Numerous small, dark blue droplets and splatters are scattered around the main shape, particularly towards the top and right edges, creating a sense of movement or a 'splatter' effect.

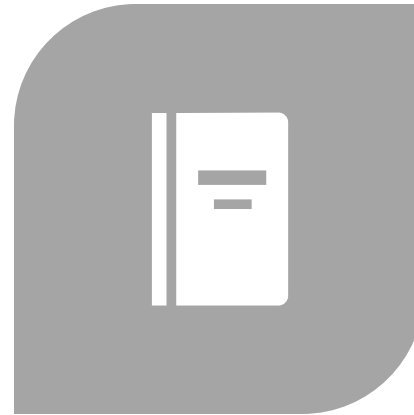
DEMO



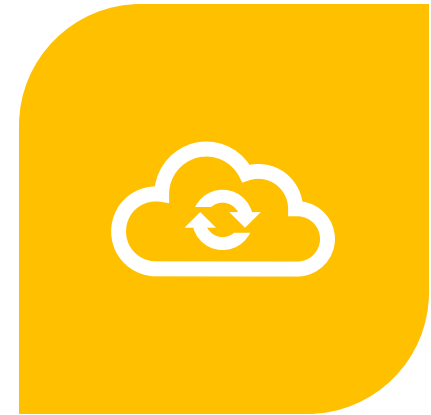
# Future Improvements



HAVE ACADEMIC PLAN  
IMPLEMENTED



HAVE LEARNING PAGE  
IMPLEMENTED



HAVE THE WEB APPLICATION  
STORED IN A SERVER



**GLAIZA  
REGONAS**



EARL JEDRICK  
MACALINO



Umangi  
Patel

**THANK YOU**

# Images References

We can't: <https://www.alamy.com/we-can-self-motivation-cutting-the-letter-t-of-the-written-word-we-cant-so-it-says-we-can-goal-achievement-potential-overcoming-image216284953.html>

Assumption: <https://www.pmmajik.com/pmo-assumptions/>

Constraints: <https://www.aesdes.org/2016/03/30/midi-drum-pad-constraints/>

Agile: <https://medium.com/theagilemanager/a-quick-overview-to-agile-5c87ffc9e0f2>