

SJSU Course Evaluation



Team 131

What is our objective

Objective is to provide useful information about courses in SJSU for students who will be enrolled in them for the next semester.

-Veteran students will provide the information in order to reduce the amount of time, money, and stress that a course provides, by guiding them in the right path.

Programming in med. size team of 5

- Time Frame 1 semester

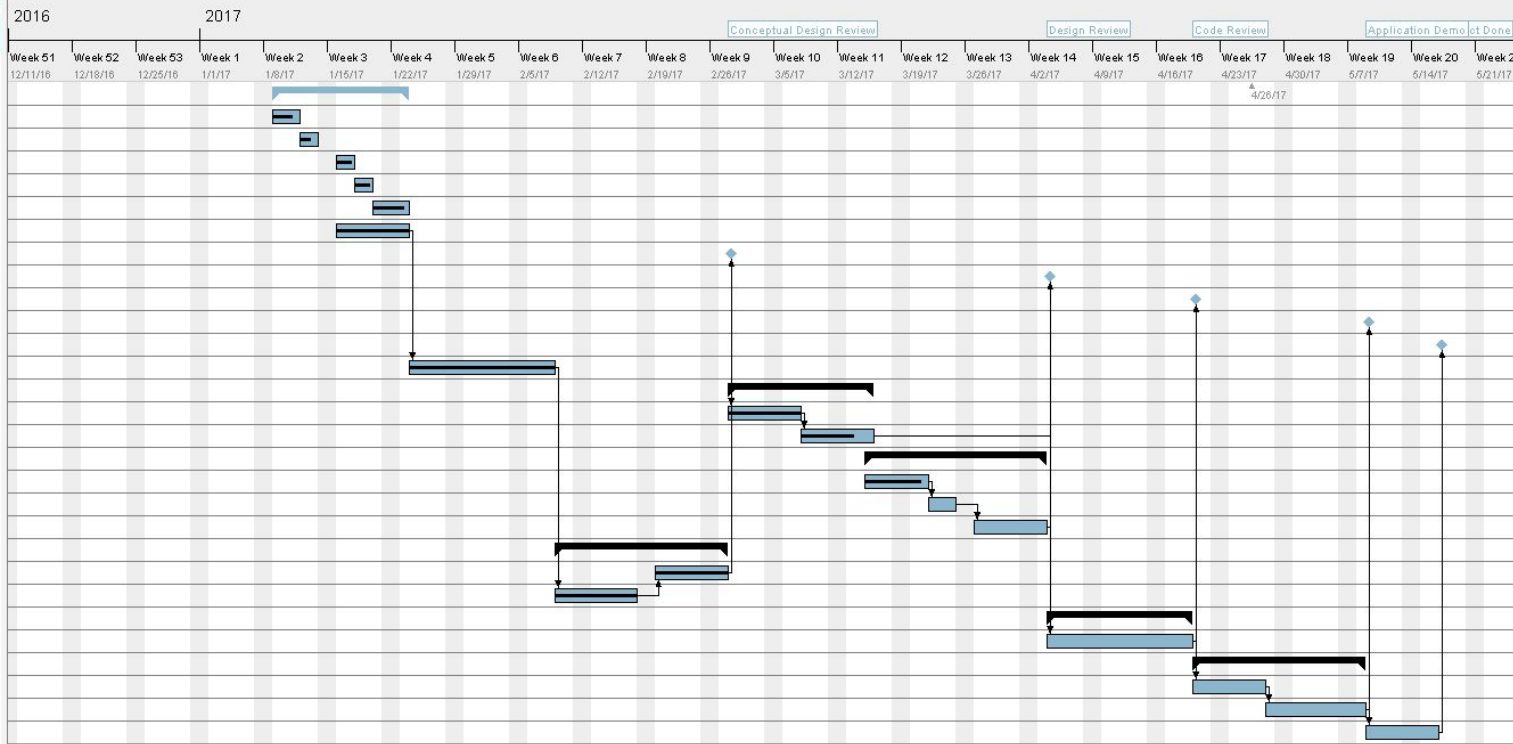
- Documentation/Project Artifacts: requirement specifications, design review, project schedules, code review

- Used Ruby on rails and some bootstrap.

Time Frame



Name	Begin date	End date
Learn Ruby and Rails	1/9/17	1/23/17
Ruby Fundamentals	1/9/17	1/11/17
Rails Fundamentals	1/12/17	1/13/17
Model Fundamentals	1/16/17	1/17/17
Controller Fundam...	1/18/17	1/19/17
View Fundamentals	1/20/17	1/23/17
Research Project Id...	1/16/17	1/23/17
Conceptual Design Re...	2/28/17	2/28/17
Design Review	4/4/17	4/4/17
Code Review	4/20/17	4/20/17
Application Demo	5/9/17	5/9/17
Project Done	5/17/17	5/17/17
Create Project Templa...	1/24/17	2/8/17
Account	2/28/17	3/15/17
Login	2/28/17	3/7/17
Logout	3/8/17	3/15/17
Course Review	3/15/17	4/3/17
Add Review Redefi...	3/15/17	3/21/17
Read Review	3/22/17	3/24/17
Search Course	3/27/17	4/3/17
Add Course	2/9/17	2/27/17
Add Review Basic	2/20/17	2/27/17
Add Course Inform...	2/9/17	2/17/17
Give Suggestion	4/4/17	4/19/17
Calculate Values	4/4/17	4/19/17
Improvements	4/20/17	5/8/17
Review	4/20/17	4/27/17
Suggestion	4/28/17	5/8/17
Documentation	5/9/17	5/16/17



MVC

-MVC:Model View Controller

-M contains: Maintains the data of the application

-V contains: Displays the model to the user

-C contains: Manages the application flow and user interface

- App started with rails fast start implementation of MVC

Model

- Since using models we are using dynamic web pages
- Some of our models include evaluations, which belongs to courses
- Which belong to users

View

Contains presentation layer

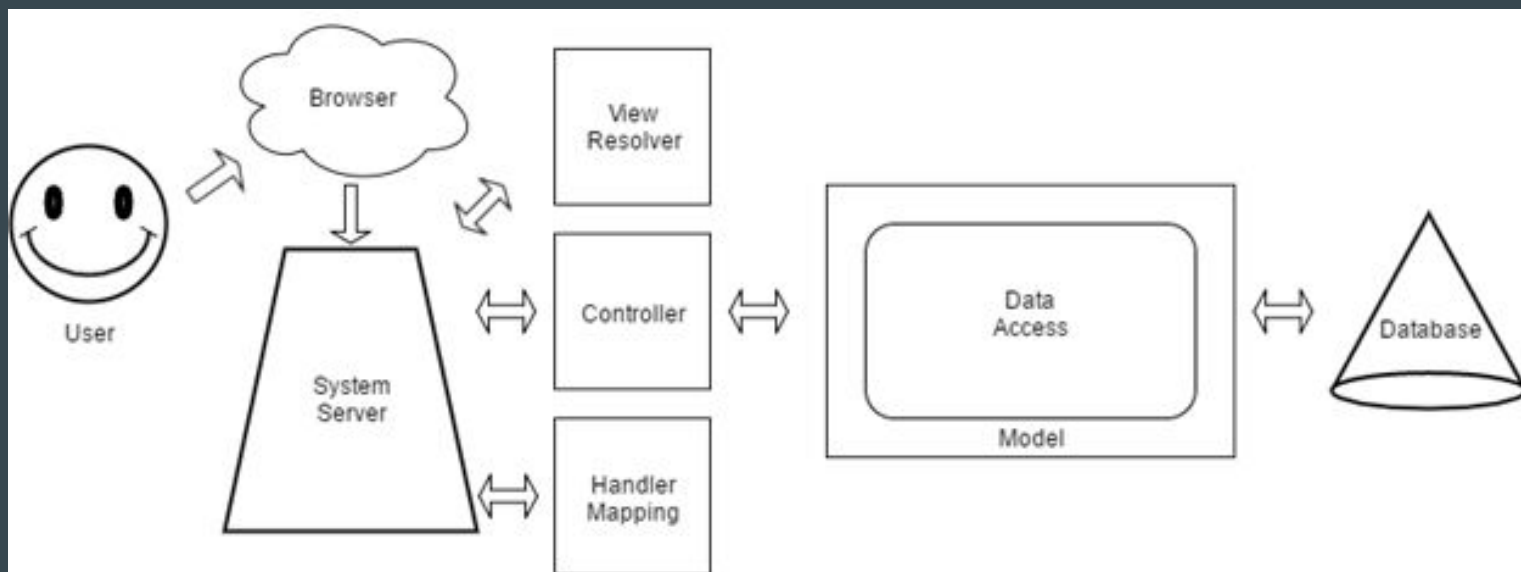
- Our View contains html and embedded ruby code and some start bootstrap html code in order to make the interface present to the user

Controller

- Controller is used to route to different view pages based on the user input
- Rails uses REST which we took advantage of routes

Database

- Ruby on rails was used to establish our database and update/edit our database
- rails made it easy enough so that we didn't have to learn SQL
- App also contains some data validations in order to notify the user



Agile development

-We added requirements and steadily improved each one whether it would be adding more functionality for the requirements or making it more pleasant looking.

- Ex. our course has gone through many iterations :

1. Set up basic functionality: create, edit, destroy, and show
2. Make sure only users with accounts can create Courses
3. Only one Course with the same name can be created
4. Add a search function within the Courses

Functional Specification

Some functional requirements that will be demonstrated:

1. Courses will not have multiple creations, created by students(admin in the future)
2. The application must allow students to read the evaluations of a course after signing in
3. The application will not allow students to delete other people's evaluations
4. Search results will allow students to create new course if course doesn't exist

Non Functional Requirements:

1. Login requirements
2. error or success messages shall be displayed

Brief Use Case Description: New Evaluation

1. Goal: Create a new evaluation
2. Summary: Veteran students informes future students of what to expect of a course
3. Actors: Veteran Students
4. Preconditions: Logged in
5. Trigger: Click “Create Evaluation”
6. Sequence: Input required information : helpfulness, difficulty, time spent on classwork/study, grade received, references (books, urls, articles, videos), professor, and additional comments.
7. Post: Evaluation created

Usability

- Find information easily
- Can tell what is clickable and what is not.
- Easy to find key components
- Visual hierarchies can use some work

Test Case

Add Evaluation

-Purpose: Test that the “Create Evaluation” command will generate a new evaluation for a course

-Preconditions: website is running, must be logged in, button “create evaluation” has been clicked, web page for adding evaluation is showing

Manual operation: fill in the required fields with the required information

Expected Results: Information will be displayed under the desired course

Accepted Criteria: Information related to the course, if missing information display error

Demo