

**May15-04 Community College
Pre-Assessment and Placement Tools:
Development of the PAT**

Project Plan

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East Los Angeles Community College

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Problem Statement

We will create a project that will aid students in determining a predicted placement in a low stakes environment by taking a formal placement test. This allows students to brush up on areas of deficit as well as understanding various levels of placement that they could be placed in, and even place higher on the formal assessment.

Deliverables

First Semester

- Prototype
- Have basic functionality on all pages
- Tests implemented
- Near minimum viable product

Second Semester

- Fully implemented desktop and mobile versions
- Usable documentation for entire system

Specifications

Students must have the ability to:

- choose between a math or English exam.
- take a test with sections that adjust in difficulty based on student's correct responses.
- view what level of math or English they tested into.
- view resources (videos, worksheets) over topics that they missed a question on.

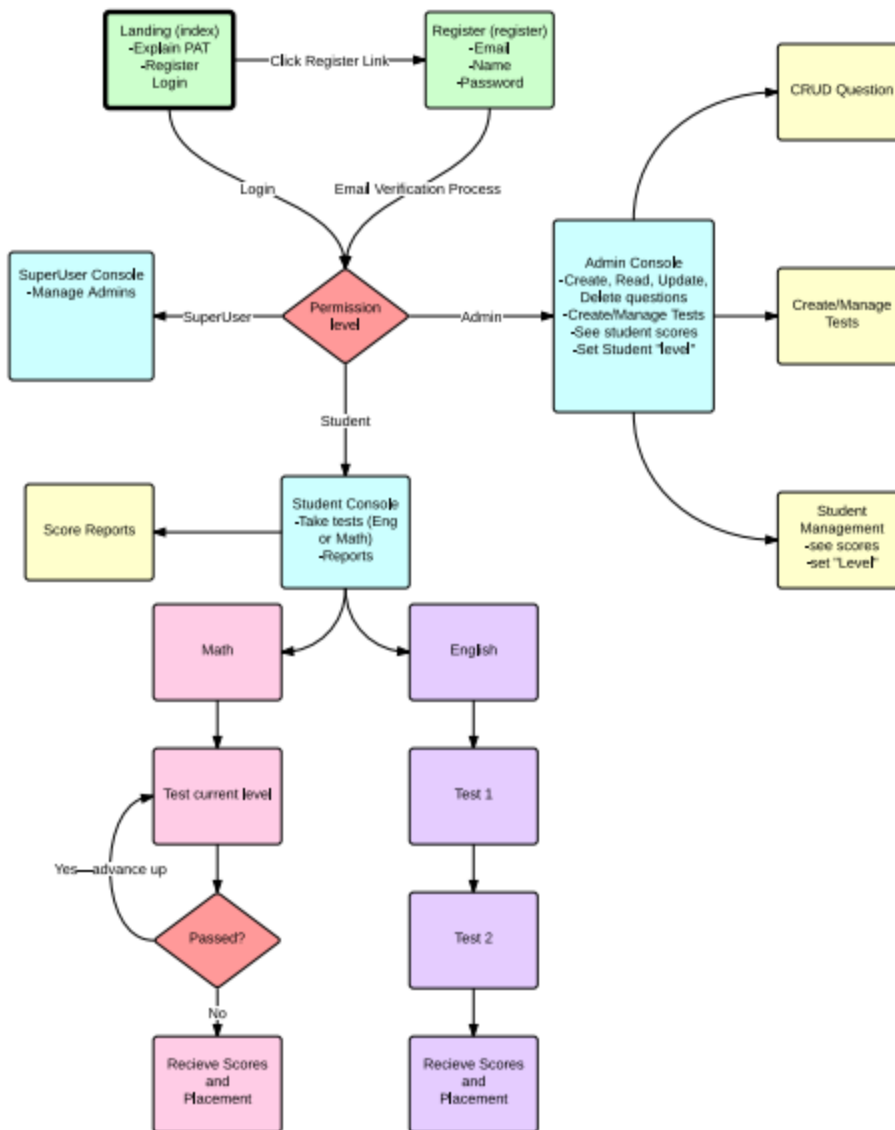
Instructors must have the ability to:

- create, edit, and delete exams
- create, edit, and delete customized multiple choice questions.
- create, edit, and delete topics that questions can be added into.
- set the scores required to place into specific math or English courses.
- create, edit, and delete resources (videos, worksheets) associated with a specific topic.
- view student reports.

School Administrators must have the ability to:

- add and remove instructors to the system.
- view aggregate data on students' results.

Concept Sketch/MockUp



Software

Must allow users of different levels to navigate to appropriate home pages. Students will be able to take tests and admins will have control of available tests.

Functional Requirements

- Must allow students to take tests
- Allow students to review their results
- Allow students to view resources to study
- Give students proper placements
- Allow admins to create tests
- Allow admins to modify tests
- Allow admins to review students results

Work Breakdown

Members and component worked on

Resource Requirements

- Web server
- SQL database

Project Schedule

	Task	Start Date	Duration	End Date
1	Project Prep	9/1/2014	1.50	10/15/2014
2	Website Framework	10/15/2014	0.5	11/1/2014
3	Build Database	10/22/2014	0.5	11/7/2014
4	Implement Basic Admin Func	11/1/2014	0.5	11/15/2014
5	Develop Testing	11/15/2014	0.5	12/7/2014
6	Implement Basic User Func	12/1/2014	0.5	12/15/2014
7	Implement MVP	12/7/2014	1	1/15/2015
8	Add Extra Features	1/15/2015	2.5	4/1/2015
9	Testing & Troubleshooting	2/1/2015	2	4/1/2015
10	Mobile Development	2/15/2015	2	4/15/2015
11	Verification, Documentation, etc	4/1/2015	1.5	5/15/2015

Risks

- Client is in Los Angeles so communication may be difficult
- Creating the structure for adaptive testing may be difficult
- New framework for several members

Market/Literature Survey

Our product is designed for potential community college students. East Los Angeles Community College is maintaining intellectual property of the pre-assessment test. Since we are signing over intellectual property rights to the client, ELAC will be handling any literature surveys and analysis.