Idea/Approach Details

Ministry/Organization name: National Institute of Technology, Rourkela

Problem Statement: Interactive Web interface

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Educational Web Interface

Textbooks seem dry, simplistic and procedural. The IT-savvy generation will be more easily engaged by computers and mobile gadgets than paper textbooks. The element of interactivity seems more important than ever in education today. So the online platform of interactive education would be a useful tool to solve the problem of the boring textbooks. Moreover there is always a need of a place where the students can clarify all there doubts without hesitation.

Our Solution

- _The website will have a Tutorial/Videos Section which would include link to videos of different domains organized topicwise._

- _There will be a Practice/Assignment Section where the content providers will be uploading various practice/assignment papers. Students can download and solve them for practice._

- _There will be a discussion forum where students can clear there doubts on various topics. Every user can answer to the questions asked._

- _There will be a news and current event section where information about upcoming examination and preparation tips will be provided._

- _Every news update will have a popup on both user side and content provider side. Moreover every new message in the discussion will also have an popup with a sound._

- _There will be a admin access to the site to manually monitor the Video and Discussion Section for spam video links and spam messages and remove them._

Technology Stack

- HTML5
- CSS3
- JavaScript
- jQuery
- PHP
- Database(MySQL)
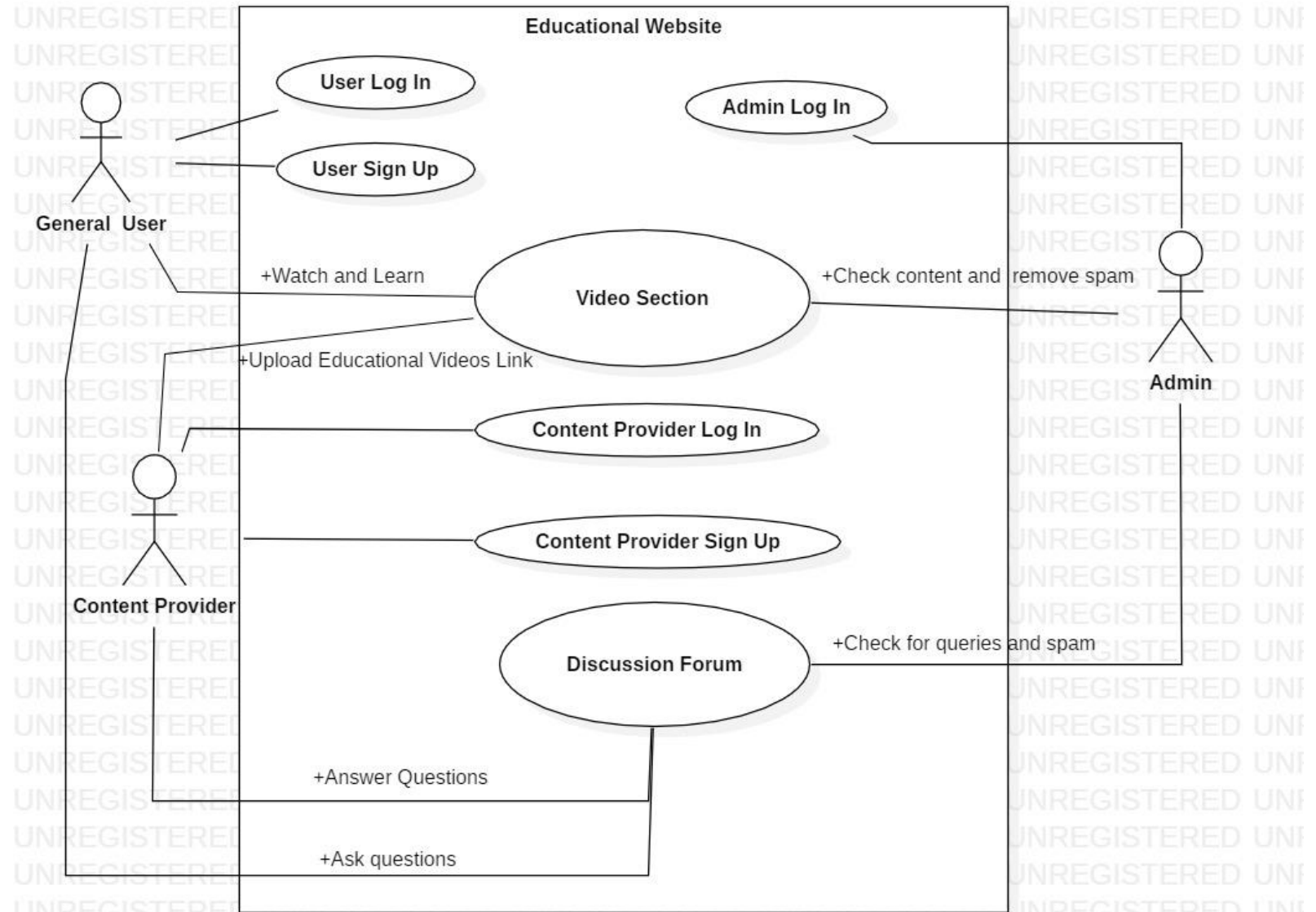- Bootstrap Framework

Use Cases

UML Diagram:

Different Users:

- *General User.*
- *Content Provider.*
- *Admin Access.*

Dependencies/Show Stopper

- Bootstrap
- jQuery
- MySQL