# **Course Bucket**

### **Introduction:**

As the world of internet progress, the need of online course contents increases day by day. In order to cope with the situations, we introduce our very project an online course offering platform called **COURSE BUCKET .**This website will provide all the necessary services regarding course creation ,purchase and student instructor communication.

### **Scope:**

This project offers a scope for Admin, Guest, Student and Instructor to perform their respective jobs.

### **Users and their role:**

**Guest user:**

1. When a person first visits the website, he is regarded as a guest until he signs up or logs in.
2. A guest user can only see the course image and course description. He cannot buy a course as a student and upload a course as an instructor.

**Admin :**

1. Can approve a newly uploaded course.
2. Can delete any course.
3. Can invigilate all the users.
4. Can add/update/delete contents of the website.

**Student :**

1. Can purchase a course.
2. Provide rating and review of a course.
3. Communicate with an Instructor.

**Instructor :**

1. Can upload a course.
2. Communicate with a student

**Use cases of the system :**

1. **Registration :** We allow 2 kinds of registration namely Instructor and Student. Admin accounts are hard coded. And guest accounts are treated as unregistered account.

### **Students Functionalities :**

1. Edit his account settings.
2. Purchase courses.
3. Review and rate any course.
4. Ask a question to the course instructor.
5. Message an instructor.
6. Can see his course purchase history
7. Can see his FAQs
8. Can see his ratings and reviews
9. Can access to his purchased course

**3. Instructors Functionalities :**

1. Edit his account settings
2. Upload, delete or update his course.
3. Can see his created courses
4. Can see an overview of total revenue, enrollments, ratings, reviews and FAQs.
5. Can see his students.
6. Can see the sold courses details.
7. Can create a course.
8. Can message his students

**4. Admin Functionalities :**

1. Can see user list
2. Can see, approve and unapprove a course.
3. Can update necessary database content.
4. Can edit category list.

**5. Search Course :** One can search a course based on his requirements.

**5. Filtering** : Filtering is also available to make searched courses more meaningful to the users

**6. Notification :** Admin, Students and Instructors can see notification on different events

### 

### **Technology:**

* JSF (Primefaces)
* JPA
* JTA
* Hibernate
* CDI
* EJB

**Build Tools:**

* Maven

**Web Server:**

* Web Logic 11.c

**Database:**

* MySQL