

## CS Masters' Thesis Defense

**Title:** *Payment Checkout System for Online Testing Tool CAST*  
**Speaker:** Shah Sudhirbhai  
**Date:** Monday, October 3, 2011  
**Time:** 12:00 p.m.  
**Location:** GMCS 405  
**Thesis advisor:** Dr Carl Eckberg

### **Abstract:**

The Language Acquisition Resource Center (LARC) program at San Diego State University (SDSU) develops and supports the teaching and learning of foreign languages in the United States. LARC's Computer Adaptive Screening Test (CAST) is a vehicle for better understanding the skill level of a test taker at some language and correctly placing the test taker into a curriculum. CAST implements the concept of Software Internationalization as the user can choose and give tests in 9 languages (Spanish, French, Chinese, Japanese, Filipino (Tagalog), Arabic (Modern Standard), Iraqi Dialect, Persian (Farsi), English as a Second Language, and Hindi languages).

This thesis work deals with the development of an online payment tool in CAST. This tool will determine if a test taker needs to pay and if so will allow payment using the secure and reliable PayPal API. The web application is compatible with all the common web browsers and easy to use for all the test takers.

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