**6.870 Final Project Proposal**

**Design Document – Content Manipulation Module**

**1. Purpose**

This module is designed to provide basic functions for Command Abstraction Interface (CAI) and Channel Aggregation and Presentation (CAP). Basically, we hope to provide content access functions, which will provide simple manipulation to Web content. From the point of CAI and CAP’s view, they could provide higher level service to their upper layer. The high level service might include: clean the page, show me new and dim the images.

**2. Functions**

We plan to create three types of functions: layout functions, content access functions and action functions.

**2.1 Layout functions**

gridLayout()

listLayout()

frameLayout()

**2.2 Content access functions**

getAllImages()

getAllTextBlob()

getAllDocuments()

**2.3 Action functions**

We hope to re-use Chickenfoot commands here. Plan to include following actions

go()

find()

click()