Enrollments frame Start Enrollment List Loaded User loads login page User enters The logical state diagram showing the program credentials states when a user accesses the login page and attempts to login Waiting for username **Credential verification** and password Credentials rejected frame Enrollment ust Displayed User loads enrollement page The logical state diagram showing the program states once the enrollment master view is requested and the program attempts to load data from the enrollment database table Waiting for data Data added to table from database Data received from database frame Updated enrollment list displayed User clicks edit button valid data entered The logical state diagram showing the program states when a user attempts to modify an enrollment entry Edit page displayed Data updated in database Invalid data entered Enrollment List Displayed Start User clicks delete button The logical state diagram showing the program User clicks yes states when a user attempts to delete an enrollment Confirmation Delete user query displayed User clicks cancel frame Enrollment ust Displayed Start User clicks add The logical state diagram showing the program button User enters valid states when a user attempts to manually add an data enrollment to the enrollment database table Loads add page Add data to database User enters invalid data frame User clicks view details The logical state diagram showing the program User clicks return states when a user attempts to view the detail view of an enrollment Loads details page **Enrollment List Displayed** Courses frame Course List Displayed User loads courses page The logical state diagram showing the program states once the course master view is requested and the program attempts to load data from the course database table Waiting for data Data added to table from database Data received from database frame Updated course list displayed Start User clicks edit Data updated in enrollment database button The logical state diagram showing the program valid data entered states when a user attempts to modify a course entry Edit page displayed Data updated in course database Invalid data entered frame Course List Displayed Start User clicks delete Data removed from enrollment database button The logical state diagram showing the program states when a user attempts to delete a course User clicks confirm Confirmation Data removed from course database query displayed User clicks cancel frame Course List Displayed Start Add data to enrollment database User clicks add The logical state diagram showing the program button states when a user attempts to add a course to the course database table **Get VIRTUS data for course** User enters valid data Add data to course database Loads add page User enters invalid data frame Start User clicks view details The logical state diagram showing the program User clicks return states when a user attempts to view the detail view of a course Loads details page Course List Displayed frame Alternate master view displayed Start User clicks switch view The logical state diagram showing the program Shows Login page states when a user attempts to switch between course and enrollment master view Alternate master view page requested Checks if user is logged in and has permission **Moodle Courses** frame Moodle Course List Displayed Start User loads courses page The logical state diagram showing the program states once the Moodle course master view is requested and the program attempts to load data from the course database table Waiting for data Data added to table from database Data received from database frame Moodle Course List Displayed Add data to enrollment database User selects courses and clicks save The logical state diagram showing the program **Get VIRTUS data for all courses** button states when a user attempts to add courses to the course database table User enters valid Add data to course database data Loads add page remove data from course database User enters invalid data frame Start User clicks add Moodle Course List Displayed course button The logical state diagram showing the program states when a user attempts to a new course code User enters valid data Loads additions & deletions table Add course to suggested courses User enters invalid data frame Start Moodle Course List Displayed The logical state diagram showing the program states when a user attempts to a new course code User clicks reset course button Additional courses are removed from sections frame Start Moodle Course List Displayed The logical state diagram showing the program states when a user attempts to Update the delete User clicks save active status course button Delete Active value updated in course database entry frame User selects courses and clicks save Moodle Course List Displayed button Add data to enrollment database Start The logical state diagram showing the program states when a user attempts to update enrolments for a course **Get VIRTUS data for** selected course Add data to course database User enters valid data Loads additions & deletions tables remove data from course database User enters invalid data