



# USER'S MANUAL

*University of North Alabama  
Program Evaluation Tool  
(UNA PET)*

*CS 455, Spring 2017*



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# USER'S MANUAL

## TABLE OF CONTENTS

	<u>Page #</u>
<b>1.0 General Information.....</b>	<b>3</b>
<b>1.1 Application Overview.....</b>	<b>3</b>
<b>1.2 Acronyms and Abbreviations.....</b>	<b>3</b>
<u>1.2.1 UNA PET:</u> .....	3
<u>1.2.2 SI:</u> .....	3
<b>2.0 Getting started.....</b>	<b>7</b>
<b>2.1 User Access Levels.....</b>	<b>7</b>
<u>2.1.1 Supplemental Instructor(s)</u> .....	7
<u>2.1.2 Students</u> .....	7
<b>3.0 Using The Application.....</b>	<b>11</b>
<u>3.0.1 Login</u> .....	11
<u>3.0.2 Request New Password</u> .....	11
<u>3.0.3 Logout</u> .....	11
<u>3.0.4 Change Password</u> .....	11
<b>3.1 Supplemental Instructors.....</b>	<b>11</b>
<u>3.1.1 View Results</u> .....	11
<u>3.1.2 Edit Test Cases</u> .....	12
<u>3.1.3 View/ Edit Grades</u> .....	12
<b>3.2 Students.....</b>	<b>13</b>
<u>3.2.1 Upload C++ Source Code</u> .....	13
<u>3.2.2 View Results</u> .....	13
<u>3.2.3 View Grades &amp; Comments</u> .....	14

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# **1.0 GENERAL INFORMATION**



## **1.0 GENERAL INFORMATION**

### **1.1 Application Overview**

UNA PET is a web-based user application designed for program evaluation within the Computer Science Department at the University of North Alabama. Students have the ability to submit C++ source code files (.cpp files) for evaluation. Instructors have the ability to execute these files through the user interface against specified requirements that include the desired output and runtime. Instructors may also make comments and add grades that are viewable to students. Students are able to test programs

against test cases set by instructors until the deadline for an assignment. UNA PET may be used as an alternative method for instructors to grade programs that offers a built in compiler and output comparison tool.

### **1.2 Acronyms and Abbreviations**

#### **1.2.1 UNA PET:**

The name of the tool; University of North Alabama Program Evaluation Tool; The user interface will be branded as such.

#### **1.2.2 SI:**

Supplemental Instructor

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## **2.0 GETTING STARTED**



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## **2.0 GETTING STARTED**

The UNA PET is a web-based tool. Users of this tool will be required to have a compatible web browser and a reliable network connection.

### **2.1 User Access Levels**

This application has four user access levels: administrator, instructor, supplemental instructor, and student. Each user's abilities are described below and in further sections.

#### **2.1.1 Supplemental Instructor(s)**

Supplemental instructor(s) have the ability to login, logout, request a new password, change his/her password, view student submitted code and results, edit test cases, and view/edit grades when flags are set to allow each action.

#### **2.1.2 Students**

Students will be able to login, logout, request a new password, change his/her password, upload C++ source code files (.cpp), view his/her uploaded source code, and view his/her grade/result.

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## **3.0 USING THE APPLICATION**



## 3.0 USING THE APPLICATION

This section details all actions within the application.

### 3.0.1 Login

1. Navigate to <http://cs-srv-02/>

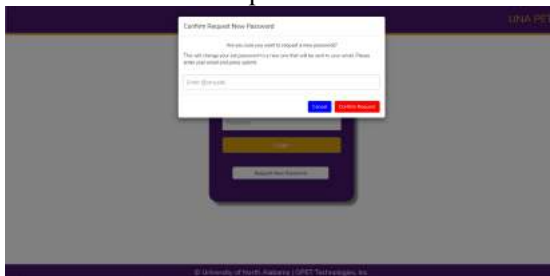


The UNA PET Login screen is a purple box with a white background. It contains a 'Username' input field, a 'Password' input field, a yellow 'Login' button, and a white 'Request New Password' button.

2. Enter your assigned username associated your UNA Portal account.
3. Enter your password.
4. Click → Login.

### 3.0.2 Request New Password

1. If password cannot be remembered: Click → Request New Password

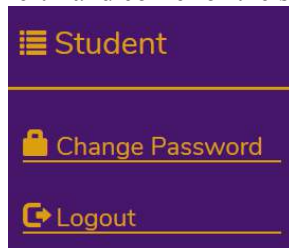


The UNA PET Request New Password screen shows a purple box with a white background. It contains a 'Email' input field, a 'Submit' button, and a 'Cancel' button. A message box is displayed over the form, stating: 'You are looking to request a new password? The system will email you a link to reset your password. Please enter your email address below.'

2. Enter a valid email and click submit.

### 3.0.3 Logout

1. Click the dropdown menu in the top left-hand corner of the screen.

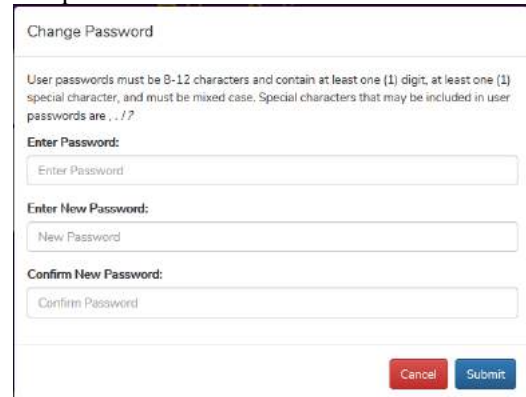


The UNA PET User Menu is a purple box with a white background. It contains three items: 'Student' with a book icon, 'Change Password' with a padlock icon, and 'Logout' with a door icon.

2. Click → Logout

### 3.0.4 Change Password

1. Click the dropdown menu in the top left-hand corner of your screen.
2. Click → Change Password.
3. This screen will be displayed and prompt for current password and new password.



The UNA PET Change Password screen is a white box with a purple border. It contains a 'Change Password' title, a password requirements note, and three input fields: 'Enter Password:', 'Enter New Password:', and 'Confirm New Password:'. There are 'Cancel' and 'Submit' buttons at the bottom right.

User passwords must be 8-12 characters and contain at least one (1) digit, at least one (1) special character, and must be mixed case. Special characters that may be included are , . ! ?

4. After changes have been made: Click → Submit

## 3.1 Supplemental Instructors

All of the following are dependent upon permissions set by an administrator.

### 3.1.1 View Results

1. Select the desired course from the homepage.

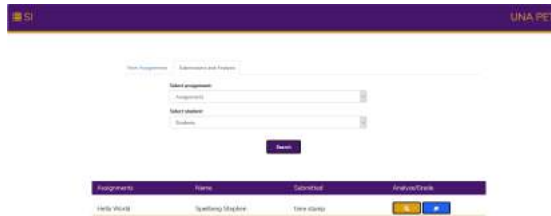


The UNA PET Homepage is a purple box with a white background. It contains a 'UNA PET' logo in the top right corner. Below the logo are two course cards: 'CS-116 (Spring Semester) FALL 2017' and 'CS-116 (Spring Semester) FALL 2017'. At the bottom, there is a footer with the text '© University of North Alabama (UNA) Technologies, Inc.'

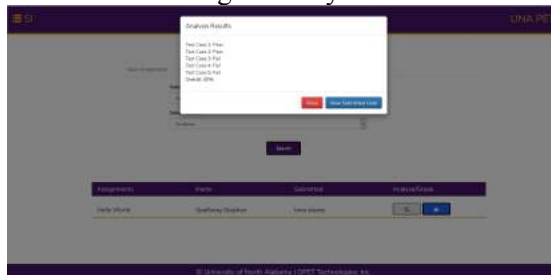
2. Click → Submission & Analysis



3. Select the assignment and the student to view results for from the dropdown menu. Click → Search



4. Click the gold analyze button.



5. To view submitted code: Click → View Submitted Code.

### 3.1.2 Edit Test Cases

1. Select the desired course from the homepage.



2. Click → View Assignments



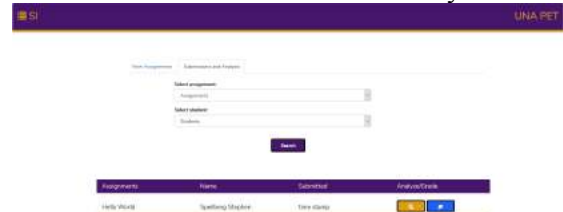
3. To upload new test cases, click → Browse.
4. Enter the runtime constraint. Click → Submit

### 3.1.3 View/ Edit Grades

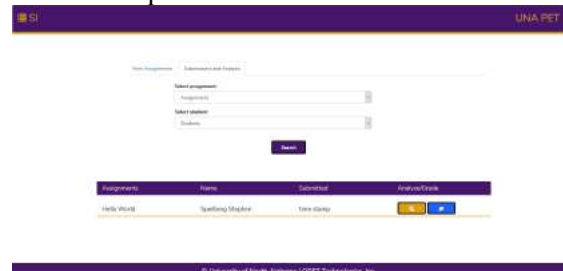
1. Select the desired course from the homepage.



2. Click → Submission & Analysis

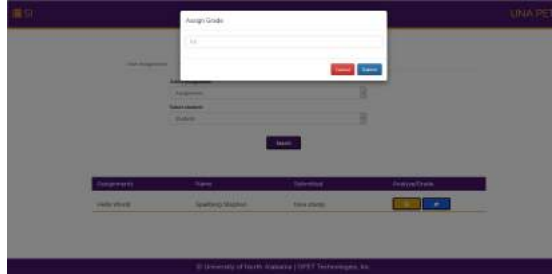


3. Select the assignment and the student to assign a grade for from the dropdown menu. Click → Search





- To edit a grade or view an assigned grade click the blue grade button.



- Enter the grade for the assignment.  
Click → Submit

## 3.2 Students

### 3.2.1 Upload C++ Source Code

- Click the desired assignment from the homepage.



Assignment	Due Date	Grade	Comments
BST	4/22/2017	85	
Assignment 2	4/26/2017	---	

- Click → Submit Assignment



Assignment	Submitted app	Submitted	Analyze	Resubmit
BST	uploadBST.cpp	Turn a time stamp		

- Click → Browse



- Click → Submit

### 3.2.2 View Results

- Click the desired assignment from the homepage.



Assignment	Due Date	Grade	Comments
BST	4/22/2017	85	
Assignment 2	4/26/2017	---	

- Click → Submit Assignment



Assignment	Submitted app	Submitted	Analyze	Resubmit
BST	uploadBST.cpp	Turn a time stamp		

- Click the gold analyze button.



- To view submitted code: Click → View Submitted Code.

### 3.2.3 View Grades & Comments

1. Click the desired assignment from the homepage.



The screenshot shows a web application interface. At the top, there is a purple header bar with 'Student' on the left and 'UNA PET' on the right. Below the header, there is a section titled 'CS-155-01' with a subtitle 'In this course you will learn how to plan, create, and use a system. (different word)'. Below this, there is a table with four columns: 'Assignment', 'Due Date', 'Grade', and 'Comments'. The table has two rows. The first row has '001' in the 'Assignment' column, '4/22/2017' in the 'Due Date' column, '95' in the 'Grade' column, and a green button with a comment icon in the 'Comments' column. The second row has 'Assignment 2' in the 'Assignment' column, '4/26/2017' in the 'Due Date' column, '-' in the 'Grade' column, and a green button with a comment icon in the 'Comments' column.

Assignment	Due Date	Grade	Comments
001	4/22/2017	95	
Assignment 2	4/26/2017	-	

2. Click the green comment button to view instructor comments.



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