

Screen Sketches

Team B4

CS 309 Assignment 2

Group Members

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Actors' use cases

- Directors
 - Modify records (Excuse absences, approve absence requests, etc.)
 - Add, view, edit, and delete students
 - Sort entire database
 - Search for records based on date, absences, section, etc.
 - Export attendance and grade files
 - Message students and interact with discussion board
 - Visualize Data using graphs, etc.
- Student Staff – can also log into student account
 - Upload attendance files
 - Check in students (present on time)
- Students
 - View own attendance record
 - Submit absence excuse forms
 - Check in as tardy
 - Message director and interact with discussion board
 - Register with the system

1_Main_CheckIn

Sketch: Todd Wegter, Yifei Zhu

Annotations: Curtis Ullerich

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Purpose: Landing screen from which student staff may initiate daily attendance tasks.

Loading Events: User logs in to html5 webapp.

Interface Elements:

1. Latest Class List. Clicking here allows the user to update to the latest class list.
2. Allows the user to create an initial attendance report at (2_Initial_Report) for each rehearsal by selected all absent students.
3. Allows users to check in to rehearsal as tardy at (3_Late_CheckIn).
4. Alert. Clicking (1) or (6) while not connect to a network presents this warning.
5. Exports Attendance data to an uploadable file using 26_TA.
6. Uploads Attendance data to server. A TA's NetID and password must be entered into the appropriate fields to allow uploading.
7. Fields in which TA must enter NetID and password to upload data

2_Initial_Report

Sketch: Todd Wegter, Yifei Zhu

Annotations: Brandon Maxwell

ISU Marching Band @10Dance

http://www.at10dance.edu

ISU Varsity Marching Band / Spring 2012 Initial Report

Name	NetID	Year	Instrument	Present
Brandon Maxwell	bmaxwell	Soph	Drums	<input checked="" type="checkbox"/>
Curtis Ullerich	cullerich	Junior	Baritone	<input type="checkbox"/>
Todd Wegter	twegter	Soph	Sax	<input checked="" type="checkbox"/>
Yifei Zhu	yfz	Soph	Baton Twirler	<input checked="" type="checkbox"/>
...				

Submit and Return Home

Purpose: To provide a grid view of the students so it is easy for TAs or instructors to mark who is at practice and who is not at practice at the time attendance is taken.

Loading Events: User presses the "Initial Report" button on the home screen

Interface Elements:

1. The entire grid that shows each students' name, NetID, year, and instrument. Used to keep track of what student the TA is marking attendance for.

2. The column of checkboxes. When a student attends practice the TA can check the checkbox and continue onto another student.

3. A button to return the user from this current screen back to the homescreen (Screen

[1_Main_CheckIn](#))

3_Late_CheckIn

Sketch: Todd Wegter, Yifei Zhu

Annotations: Yifei Zhu

ISU Marching Band @10Dance

http://www.at10dance.edu

ISU Varsity Marching Band / Spring 2012

Late Check-In

NetID: 1

Reason: 2

3

7

Presence Acknowledged 6

Alert

That NetID is not recognized.

4

Alert

Please submit a reason.

5

Purpose: Allow late student to check in and explain the reason why is late for Marching Band practice.

Loading Events: User presses “Tardy Check-In” button on the main interface

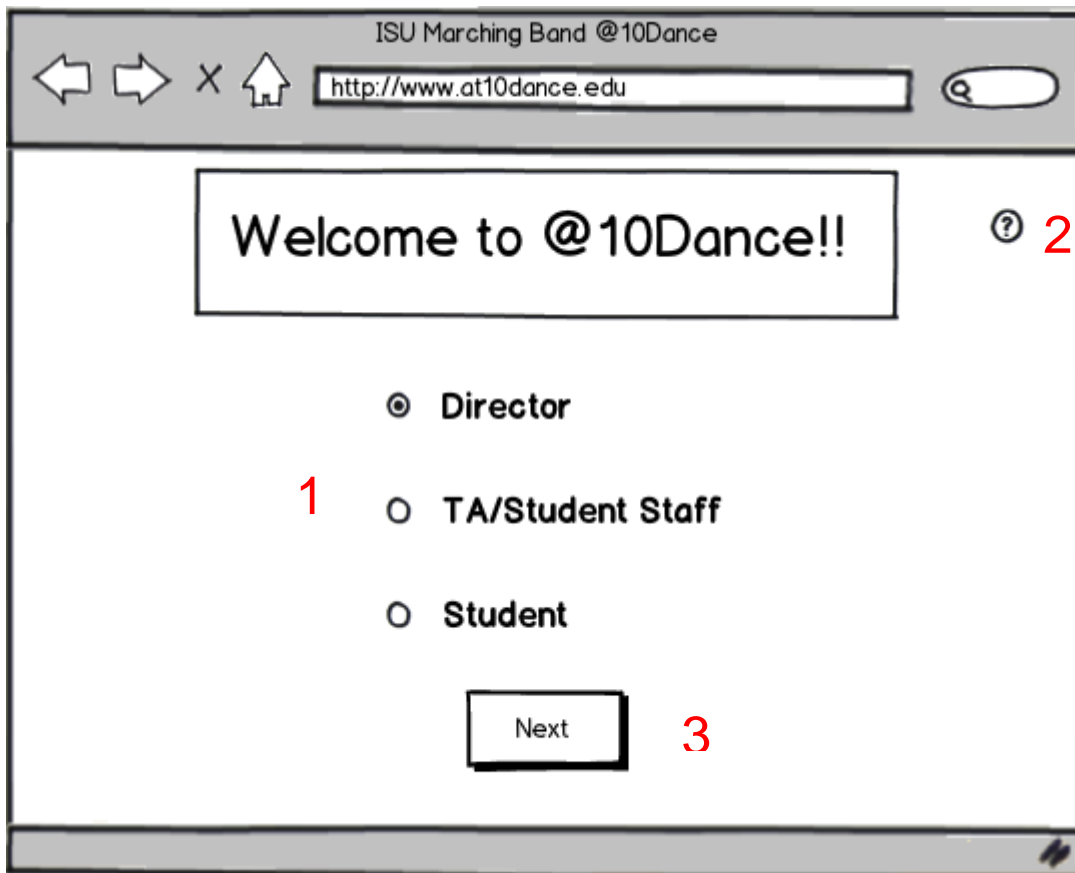
Interface items:

1. The text field allows users to enter their NetID.
2. The text field allows users to enter the reason why they are late for Marching Band practice.
3. The “submit” buttons allow users to submit their tardy check-in form.
4. If the user enters the wrong NetID or the NetID does not exist, then an Alert will pop up to notify the user that the NetID is incorrect.
5. If the user leaves the “Reason” text field blank, then an alert will pop up and tell the user to enter a reason.
6. The loading bar shows users the progress of submission, after the user clicks on the “Submit” button.
7. The home button will take users back to the main check in homepage (Screen [1_Main_CheckIn](#))

4_Main_Page

Sketch: Todd Wegter , Yifei Zhu

Annotations: Todd Wegter



Purpose: To provide an opening screen for the @10Dance application. This web application is the main part of the system. It allows students to check their attendance records, TAs to upload attendance, and the directors to have supreme control over everything.

Loading Events: User opens the @10Dance Web Application

Interface Elements:

1. Radio Buttons allow user to select whether he or she wishes to proceed as a Director, TA, or Student.
2. Help Button pulls up a specialized Help screen (Screen [27_Help](#)) explaining that the user may proceed to the desired login screen by selecting the appropriate radio button (1) and clicking "Next" (3).
3. "Next" Button takes the user to a login screen (Screen [5_Login](#)), which is slightly different for the different user types and allows only the selected type to login.

5_Login

Sketch: Todd Wegter, Yifei Zhu

Annotations: Cutis Ullerich

ISU Marching Band @10Dance - Login

http://www.at10dance.edu

Home > Login

ISU Varsity Marching Band / Spring 2012

1 User Name:

2 Password:

Register Login

Back

Alert

That NetID is not recognized.

Retry Ignore

Alert

Invalid Password

Retry Reset Password

Alert

Your temporary password has been sent to you CyMail account.

This only shows up if attempting to login as a student. Only Student accounts can be added by users. The Director account will be setup by the programming team.

Purpose: To allow users to log in to the system.

Loading Events: User visits the @10dance application URL.

Interface Elements:

1. Field into which user enters his or her NetID.
2. Field into which user enters his or her password.
3. Allows users to register in the system as a student for the current term of marching band.
4. Verifies the user's credentials and allows access to the system.
5. Returns the user to the home screen ([4_Main_Page](#)).
6. Alerts the user that the entered NetID is not an entry in the system.
7. Alerts the user that the password does not match the entered NetID. This does not appear if element 6 appears, even though the password is inherently incorrect.
8. Sends a temporary password to the user's CyMail account in the event of a forgotten password.
9. Sends user to a specialized help screen ([27_Help](#)) indicating that the user may enter a valid NetID and password combination to log in to the system or register for the system by clicking register (3)
10. Page Trail. This allows the user to go back to the home page ([4_Main_Page](#)).

6_Login_Registration

Sketch: Todd Wegter

Annotations: Curtis Ullerich

ISU Varsity Marching Band / Spring 2012

Home > Registration

NetID: 1

Password: 2

Re-Enter Password: 3

Back 5 Register 4

Alert: Invalid Password 6

Alert: Be sure to fill in all fields. 9

Alert: Passwords do not match. 7

Alert: That NetID is already registered 8

Purpose: To allow students to register for the system for the current term.

Loading Events: User clicks register on the login screen (element 3 on [5_Login](#))

Interface Elements:

1. The NetID to be registered into the system.
2. The user's desired password.
3. Password confirm field.
4. Returns the user to the login screen ([5_Login](#)).
5. Creates an entry for the student in the database.
6. Alerts the user that the password does not conform to system security standards.
7. Alerts the user that the password and password-confirm fields are not identical.
8. Alerts the user that the entered NetID is already in the system.
9. Alerts the user that he or she has left a field empty.
10. Sends user to a specialized help screen ([27_Help](#)) indicating that the user may enter a new NetID and valid password to register for the system.
11. Page Trail. This allows the user to go back to the home page ([4_Main_Page](#)).

7_Student_Page

Sketch: Todd Wegter, Yifei Zhu

Annotations: Curtis Ullerich

ISU Marching Band @10Dance - Student

http://www.at10dance.edu

[Logout](#) > Student 9

8 ?

Name: FirstName, LastName
NetID: aaa
Position: xxxx 1
Major: CPR E
Email: aaa@iastate.edu
Attendance: 100/100
Grade: A

Instructor: FIRSTn LASTn
Instructor email: a@iastate.edu

Advisor: FIRSTm LASTn
Advisor email: a@iastate.edu

(new) 9/12 Todd Wegter [reply](#)

Can I have be excused for my birthday?

-9/12 Director
-No. 7

8/31 Brandon Maxwell [reply](#)

8/24 Draco Malfoy [reply](#)

[Post New Message](#)

2 Personal Messages 4 Absence Approval Forms

3 View Attendance 5 Edit Info

Logout 6

Purpose: To provide a student user an overview of his or her information and access to forms messaging.

Loading Events: Successful login ([6_Login_Registration](#))

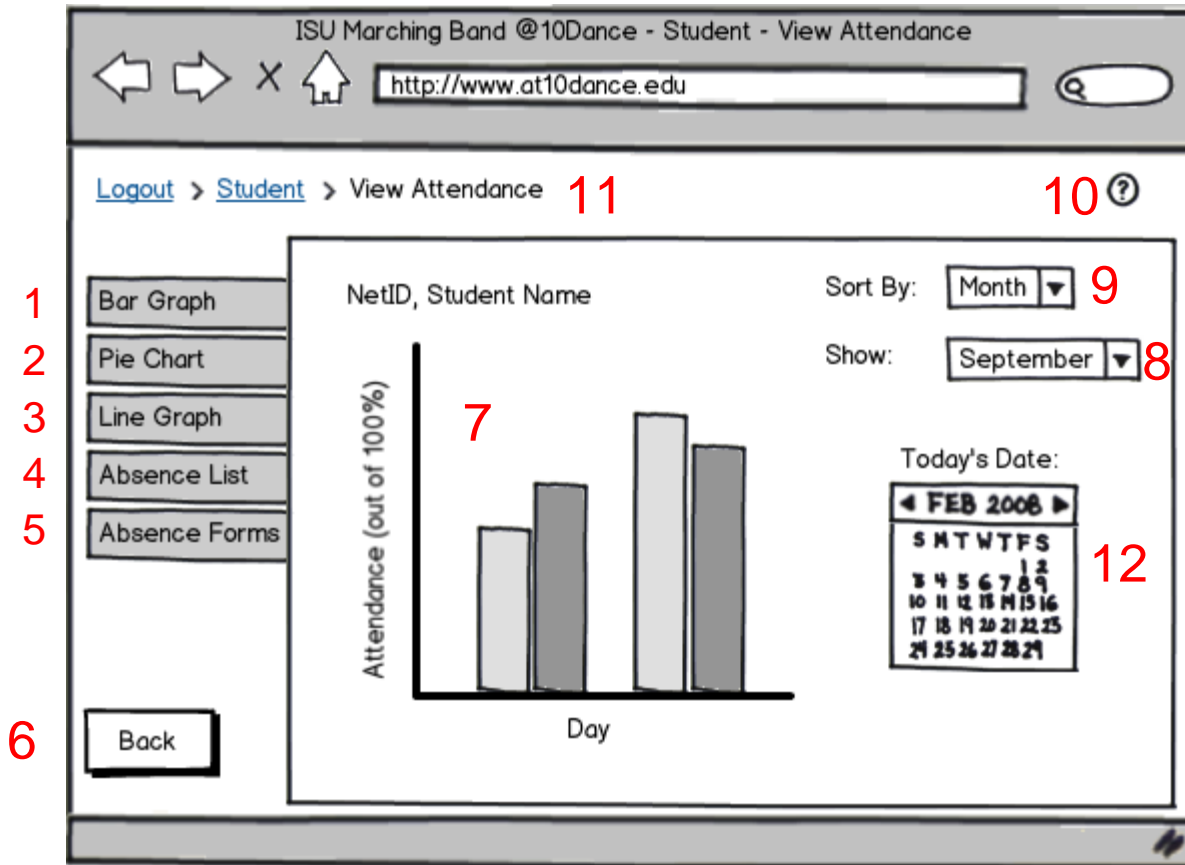
Interface Elements:

1. Provides an overview of all student details in the system.
2. Allows the student to view any personal messages sent through the system (screen [32_Student_Message_Center](#)) (a glimpse of which is visible in element 7).
3. Displays the attendance record for this particular student ([8_Student_Bar_Graph](#)) from where the student may view other visualizations of his or her data.
4. Take the user to ([14_Student_Absence_Approval_Form_Type](#)) from where he or she may submit an attendance form.
5. Allows this student to modify his or her system information (which is displayed in element 1) at screen ([11_Student_Edit_Info](#))
6. Logs the student out of the system and returns him or her to ([4_Main_Page](#))
7. Shows the most recent messages delivered to this student.
8. Sends user to a specialized help screen ([27_Help](#)) indicating that the user may view or edit information or submit forms and messages.
9. Page Trail. This allows the user to go back to the home page ([4_Main_Page](#)).

8_Student_Bar_Graph

Sketch: Todd Wegter, Yifei Zhu

Annotations: Curtis Ullerich



Purpose: To visualize the student's attendance data for the current season to date.

Loading Events: Clicking element 3 on (7_Student_Page).

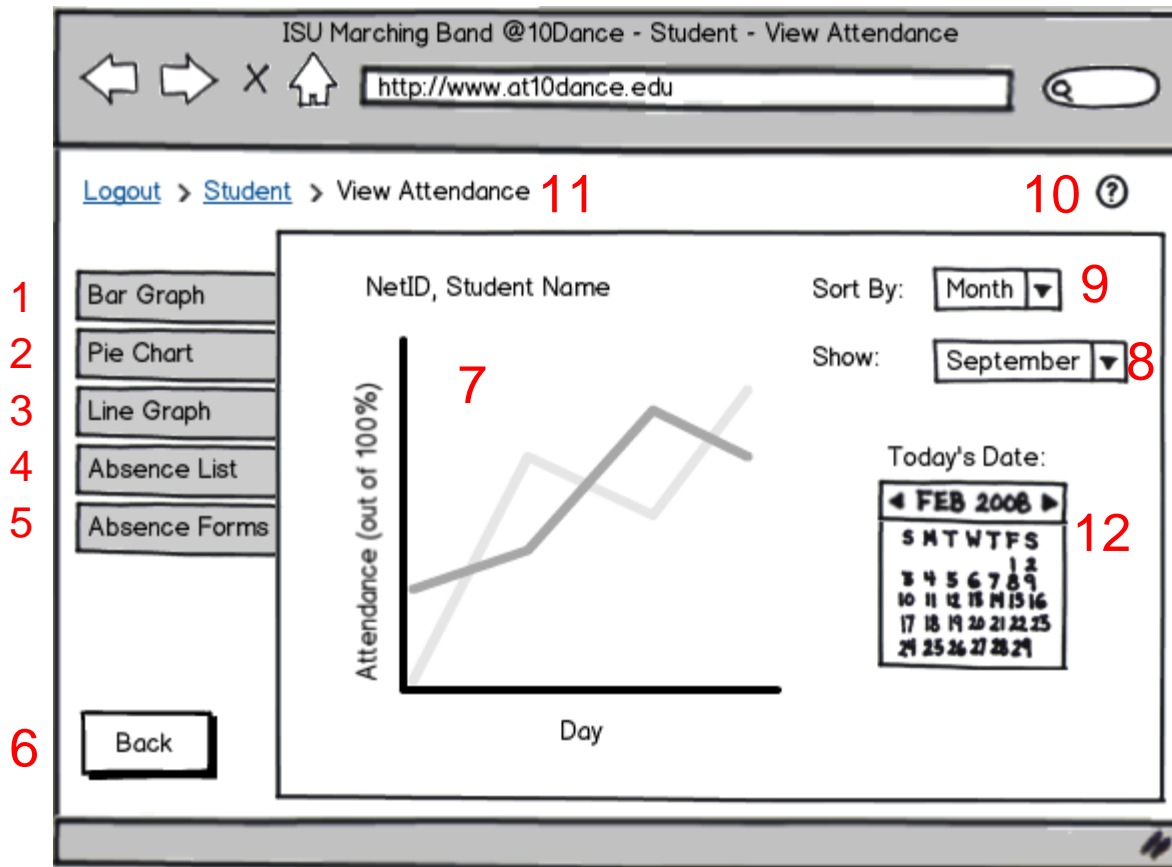
Interface Elements:

1. Clicking this tab does nothing on this screen, as the current view is already "bar graph."
2. Loads a pie chart visualization of the student's attendance data (10_Student_Pie_Chart)
3. Loads a line graph visualization of the student's attendance data (9_Student_Line_Graph)
4. Loads a list of all absences for this student (28_Student_View_Attendance_List)
5. Loads a list of all absence forms this student has submitted (29_Student_Absence_Form_List)
6. Returns to (7_Student_Page)
7. The bar graph visualization of the student's attendance record based on inputs 7 and 8.
8. Shows data within a selected date range.
9. Sorts the data by various parameters.
10. Sends user to a specialized help screen (27_Help) indicating how the user may view their attendance record and any submitted forms.
11. Page Trail. This allows the user to go back to the student page (7_Student_Page). Logout takes the user back to the home page (4_Main_Page).
12. Allows the user to select the date. Loads as today by default.

9_Student_Line_Graph

Sketch: Todd Wegter, Yifei Zhu

Annotations: Curtis Ullerich



Purpose: To visualize the student's attendance data for the current season to date in a line graph.

Loading Events: Clicking element 3 on (8_Student_Bar_Graph or 10_Student_Pie_Chart)

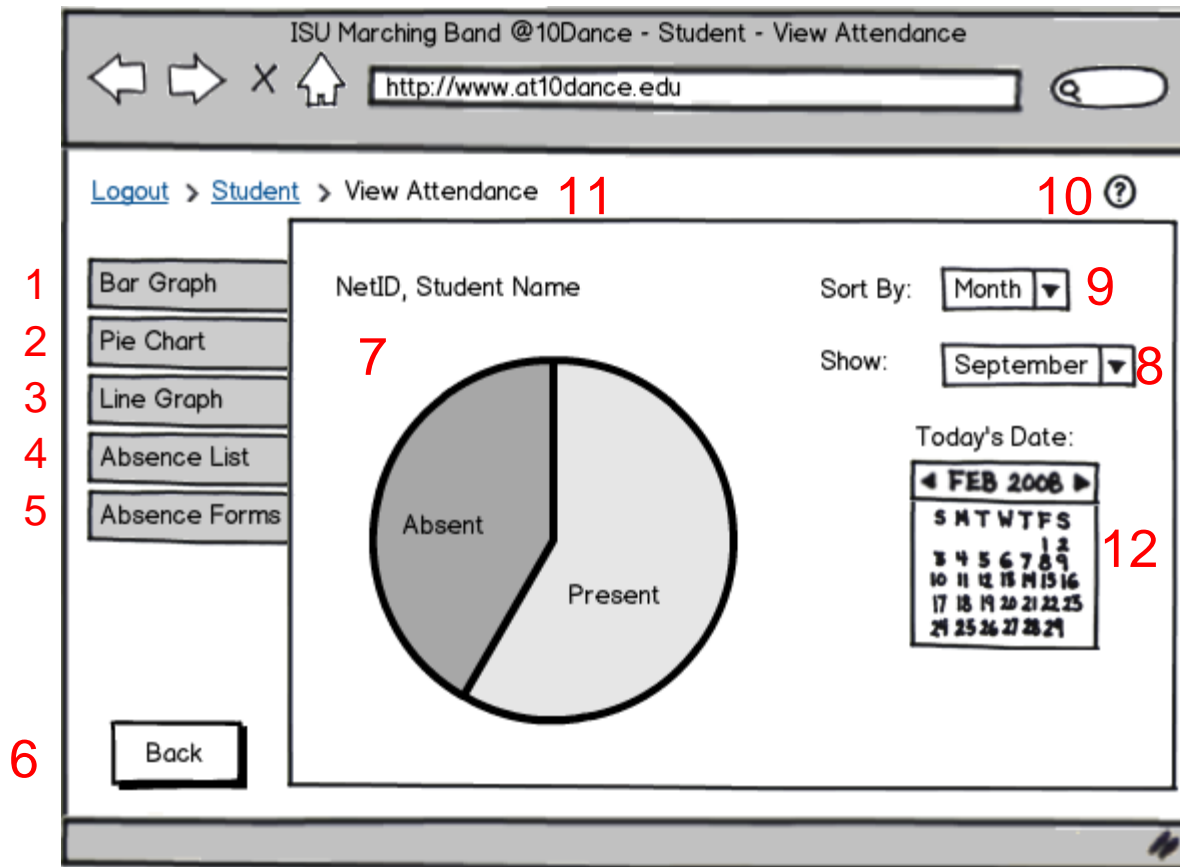
Interface Elements:

1. Loads a bar graph visualization of the student's attendance data (9_Student_Line_Graph)
2. Loads a pie chart visualization of the student's attendance data (10_Student_Pie_Chart)
3. Clicking this tab does nothing on this screen, as the current view is already "line graph."
4. Loads a list of all absences for this student (28_Student_View_Attendance_List)
5. Loads a list of all absence forms this student has submitted (29_Student_Absence_Form_List)
6. Returns to (7_Student_Page)
7. The bar graph visualization of the student's attendance record based on inputs 7 and 8.
8. Shows data within a selected date range.
9. Sorts the data by various parameters.
10. Sends user to a specialized help screen (27_Help) indicating how the user may view their attendance record and any submitted forms.
11. Page Trail. This allows the user to go back to the student page (7_Student_Page). Logout takes the user back to the home page (4_Main_Page).
12. Allows the user to select the date. Loads as today by default.

10_Student_Pie_Chart

Sketch: Todd Wegter, Yifei Zhu

Annotations: Curtis Ullerich



Purpose: To visualize the student's attendance data for the current season to date in a pie chart.

Loading Events: Clicking element 2 on (8_Student_Bar_Graph or 9_Student_Line_Graph)

Interface Elements:

1. Loads a bar graph visualization of the student's attendance data (9_Student_Line_Graph)
2. Clicking this tab does nothing on this screen, as the current view is already "pie chart."
3. Loads a line graph visualization of the student's attendance data (9_Student_Line_Graph)
4. Loads a list of all absences for this student (28_Student_View_Attendance_List)
5. Loads a list of all absence forms this student has submitted (29_Student_Absence_Form_List)
6. Returns to (7_Student_Page)
7. The bar graph visualization of the student's attendance record based on inputs 7 and 8.
8. Shows data within a selected date range.
9. Sorts the data by various parameters.
10. Sends user to a specialized help screen (27_Help) indicating how the user may view their attendance record and any submitted forms.
11. Page Trail. This allows the user to go back to the student page (7_Student_Page). Logout takes the user back to the home page (4_Main_Page).
12. Allows the user to select the date. Loads as today by default.

Purpose: Allows a student to edit their system information. Fields will be prepopulated with the student's current information. Note that the NetID is not an editable field.

Loading Events: Clicking element 3 on screen (7_Student_Page)

Interface Elements:

1. The fields that the student may edit.
2. Writes the information currently entered to the database.
3. Sends user to a specialized help screen (27_Help) indicating how the user may edit his or her information.
4. Alerts the user that the entered password does not comply with system security standards.
5. Alerts the user that the entered passwords do not match.
6. Alerts the user that a field has been left blank.
7. Page Trail. This allows the user to go back to the student page (7_Student_Page). Logout takes the user back to the home page (4_Main_Page).

12_Student_Absence_Approval_Form

Sketch: Todd Wegter, Yifei Zhu

Annotations: Brandon Maxwell

Purpose: This screen allows the student to request permission to repeatedly miss or arrive late at rehearsal or at the performance.

Loading Events: This window opens when the student checks either the rehearsal or performance checkbox and then clicks the next button on the [14_Student_Absence_Approval_Form_Type](#).

Interface Elements:

1. Help Button: when pressed this brings up the [27_Help](#) screen.
2. Calendar: The student can select the date that he/she needs to miss by clicking on the day. To change months the student can click the arrows next to "Feb 2008."
3. This drop down box allows the student to tell if their absence is reoccurring.
4. If the student marks that their absence is reoccurring they can also select how often they will need to miss class, such as weekly or monthly.
5. In this text box the student can give the reason why they need to miss rehearsal or the performance.
6. This text box is provided for any kind of extra information the director would need about the request.
7. This box is provided for if the student needs to upload some kind of documentation to prove that their reason is valid.
8. A back button which will take the user to back to the [14_Student_Absence_Approval_Form_Type](#) page.
9. A submit button, which will send the current request to the director. After the request has been sent the user will be taken back to the [14_Student_Absence_Approval_Form_Type](#).
10. The alert screen will pop up only if the student incorrectly filled out the Absence Approval Form. Pressing the retry button will take the student back to the [12_Student_Absence_Approval_Form](#).
11. Page Trail. This allows the user to go back to the Student Main Page ([7_Student_Page](#)). "Logout" logs the user out and returns them to the main screen ([4_Main_Page](#)).

13_Student_Class_Conflict_Form

Sketch: Todd Wegter, Yifei Zhu

Annotations: Brandon Maxwell

Purpose: This form is submitted once at the beginning of the of the season. Students are allowed to miss up to two rehearsals per week and they can fill out this form to get those absences approved.

Loading Events: This window opens when the student checks the class conflict checkbox and then clicks the next button on the [14_Student_Absence_Approval_Form_Type](#).

Interface Elements:

1. Help Button: when pressed this brings up the [27_Help](#) screen.
2. A text box so the user can type the department of the course that conflicts with band.
3. A text box so the user can type the course number.
4. A text box so the user can type the section for the course.
5. A text box so the user can type what building they will be in
6. A text box so the user can add any extra comments that the directors might need.
7. A button that submits the current Absence Approval Form.
8. A back button which will take the user to back to the [14_Student_Absence_Approval_Form_Type](#) page.
9. Several checkboxes where the user can show what day/days of the week they will be missing.
10. 2 text boxes where the user can type the starting and ending dates that they will have conflicts.
11. 3 checkboxes where the user can tell whether they will not arrive "until" a certain time, or have to leave "starting at" a certain time, or completely miss the rehearsal.
12. A textbox where the user can input the corresponding time depending on if they checked the until or starting at checkbox.
13. An alert screen that pops up if the user incorrectly fills out the Class Conflict Form.
14. Page Trail. This allows the user to go back to the Student Main Page ([7_Student_Page](#)). "Logout" logs the user out and returns them to the main screen ([4_Main_Page](#)).

14_Student_Absence_Approval_Form_Type

Sketch: Todd Wegter, Yifei Zhu

Annotations: Brandon Maxwell

Purpose: This screen allows the user to choose which type of Absence Approval Form they need to submit, based on whether it is a performance, rehearsal, or reoccurring class conflict.

Loading Events: The user is taken to this screen when they press the Absence Approval Forms button on the [7_Student_Page](#).

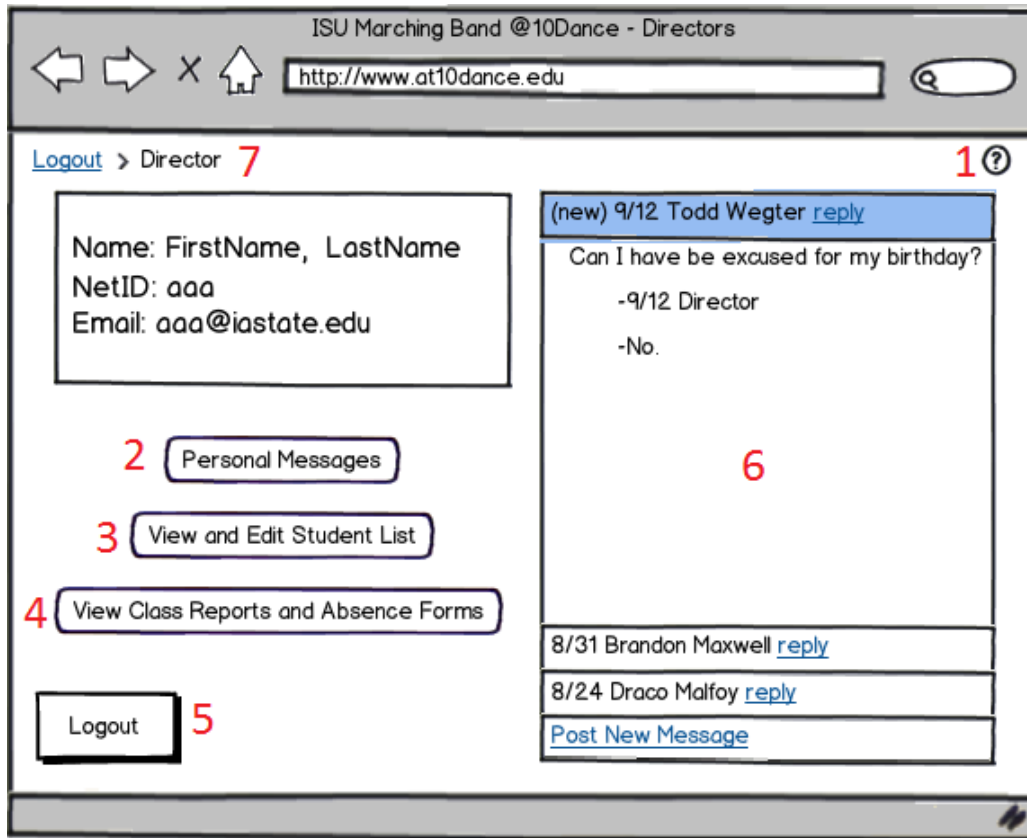
Interface Elements:

1. Help Button: when pressed this brings up the [27_Help](#) screen.
2. 3 checkboxes that the user can use to tell the program which kind of form they will need to fill out.
3. A button the user will press once they have selected the type of Absence Approval Form they need to fill out.
4. A back button which will take the user back to the [14_Student_Absence_Approval_Form_Type](#) page.
5. Page Trail. This allows the user to go back to the Student Main Page ([7_Student_Page](#)). "Logout" logs the user out and returns them to the main screen ([4_Main_Page](#)).

15_Director_Page

Sketch: Todd Wegter, Yifei Zhu

Annotations: Brandon Maxwell



Purpose: This screen is the first page the director sees after logging into the system. It displays messages, their name and various buttons that allow the user to navigate to a different page.

Loading Events: Successful login ([6_Login_Registration](#)).

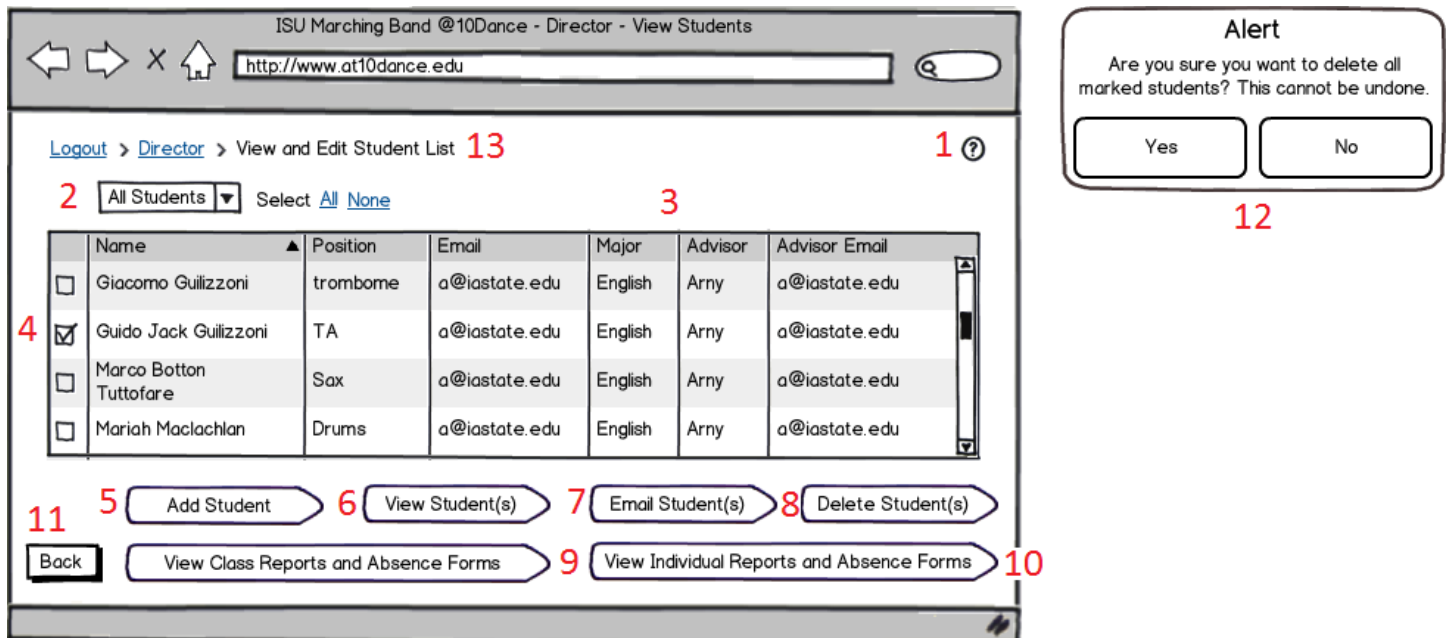
Interface Elements:

1. Help Button: when pressed this brings up the [27_Help](#) screen.
2. A button that allows the user to access their current messages.
3. A button that when pressed will take the user to the [16_Director_Student_List](#) page.
4. A button that when pressed will take the user to the [21_Director_View_Class_Report](#).
5. A back button which will take the user to back to the [14_Student_Absence_Approval_Form_Type](#) page.
6. A screen that shows instant messages sent by students that the director can reply to immediately.
7. Page Trail. "Logout" logs the user out and returns them to the main screen ([4_Main_Page](#)).

16_Director_Student_List

Sketch: Todd Wegter, Yifei Zhu

Annotations: Brandon Maxwell



Purpose: This screen shows a grid layout of all the students in the class. It allows the user to perform different actions based on what buttons they press.

Loading Events: Pressing the “View and Edit Student List” button on the 15_Director_Page page.

Interface Elements:

1. Help Button: when pressed this brings up the 27_Help screen.
2. A drop down box that allows the user to select which students they want to view. They can also press the “all” or “none” buttons to selected all or none of the students.
3. A grid layout of all the students showing the name, position, email, major, advisor, and advisor email of all the students.
4. A check box that is used in conjunction with buttons 6, 7, or 8.
5. A button that allows the user to add a student. Takes them to 17_Director_Student_Add page.
6. A button that takes the user to the 18_Director_Student_View page.
7. A button that will open up the user’s email account so they can send an email to the selected student.
8. A button that allows the user to delete a student/students.
9. A button that will take the user to the 23_Director_View_Class_Absence_Forms page.
10. A button that will take the user to the 20_Director_Student_View_Report page.
11. A back button which will take the user back to the 15_Director_Page page.
12. An alert that pops up if all the students in the list are selected and the user presses the delete button.
13. Page Trail. This allows the user to go back to the Director Main page (15_Director_Page). “Logout” logs the user out and returns them to the main screen (4_Main_Page).

17_Director_Student_Add

Sketch: Todd Wegter

Annotations: Brandon Maxwell

ISU Marching Band @10Dance - Director - Add Student

http://www.at10dance.edu

[Logout](#) > [Director](#) > [View and Edit Student List](#) > Add Student

2 NetID:

3 First Name:

4 Last Name:

5 Password:

6 Re-Enter Password:

7 Major:

8 Advisor:

9 Position:

10 Add Student

Alert: Invalid Password (11) Retry

Alert: Be sure to fill in all fields. (14) Retry

Alert: Passwords do not match. (12) Retry

Alert: That NetID is already registered (13) Retry

Purpose: This screen is used for when the director needs to add a student to the class.

Loading Events: Pressing the “Add Student” button on the [16_Director_Student_List](#) page.

Interface Elements:

1. Help Button: when pressed this brings up the [27_Help](#) screen.
2. A text box where the user can input the NetID of the student to be added.
3. A text box where the user can input the First Name of the student to be added.
4. A text box where the user can input the Last Name of the student to be added.
5. A text box where the user can input the Password of the student to be added.
6. A text box where the user can confirm the Password of the student to be added.
7. A dropdown box where the user can enter the Major of the student to be added.
8. A dropdown box where the user can enter the Advisor of the student to be added.
9. A dropdown box where the user can enter the Position of the student to be added.
10. A button to add the current student to the list of students in the class.
11. An alert that pops up if the user inputs an incorrectly formatted password.
12. An alert that pops up if the password and re-enter password fields don't match.
13. An alert that pops up if the user typed a NetID that is already taken.
14. An alert that pops up if the user doesn't fill out all of the fields.
15. Page Trail. This allows the user to go back to the Director Main page ([15_Director_Page](#)) or the Student List Page ([16_Director_Student_List](#)). “Logout” logs the user out and returns them to the main screen ([4_Main_Page](#)).

18_Director_Student_View

Sketch: Todd Wegter, Yifei Zhu

Annotations: Brandon Maxwell

ISU Marching Band @10Dance - Directors - View Individual Student

http://www.at10dance.edu

Logout > Director > View and Edit Student List > View Student 11

Name: FirstName, LastName
NetID: aaa
Position: xxxx
Major: CPR E
Email: aaa@iastate.edu
Attendance: 100/100
Grade: A

Advisor: FIRSTn LASTn
Advisor email: a@iastate.edu

Student Search

View Individual Reports and Absence Forms

Edit Student Info

Edit Student Attendance

Prev Next

Back

Alert
That student is not in Band
Ok

Purpose: This screen is used for when the director wants to view the current information about a student.

Loading Events: Pressing the “View Student” button on the [16_Director_Student_List](#) page.

Interface Elements:

1. Help Button: when pressed this brings up the [27_Help](#) screen.
2. A text box that allows the user to search for a specific student.
3. A button that when pressed will take the user to the [20_Director_Student_View_Report](#) page.
4. A button that when pressed will take the user to the [19_Director_Student_Edit_Info](#) page.
5. A button that when pressed will allow user to edit student record.
6. A button that allows the user to go from this student to the previous student in the list.
7. A button that allows the user to go from this student to the next student in the list.
8. A back button that will take the user to the [16_Director_Student_List](#) page.
9. A box that displays information about the student the user is currently viewing.
10. An alert that pops up if the user searches for a student that is not in the list.
11. Page Trail. This allows the user to go back to the Director Main page ([15_Director_Page](#)) or the Student List Page ([16_Director_Student_List](#)). “Logout” logs the user out and returns them to the main screen ([4_Main_Page](#)).

ISU Marching Band @10Dance - Director - Edit Student Info

http://www.at10dance.edu

[Logout](#) > [Director](#) > [View and Edit Student List](#) > [View Student](#) > Edit Info

NetID

First Name:

Last Name:

Major:

Advisor:

Position:

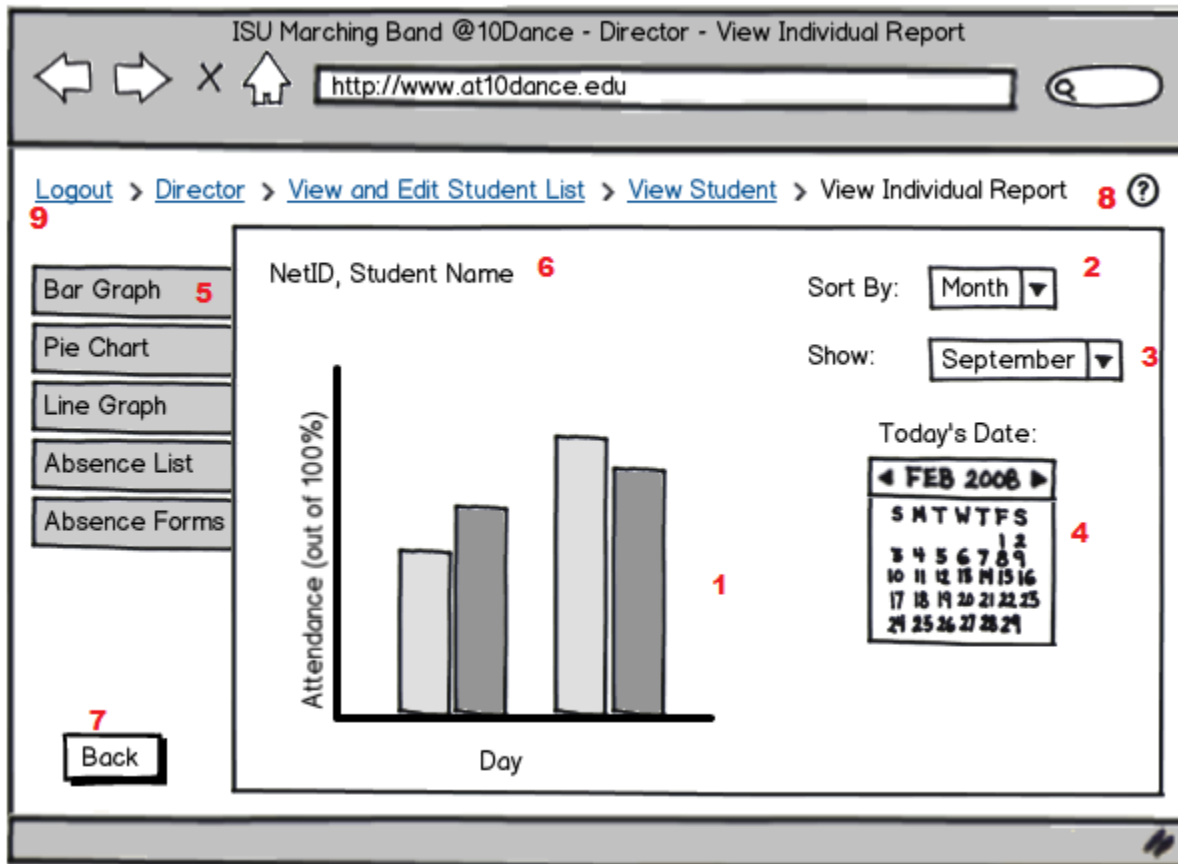
Alert
Be sure to fill in all fields.

Purpose: Allow director to modify student's information

Loading Events: User presses "Edit Student Info" button on View Student Window (Screen [18_Director_Student_View](#))

Interface Elements:

1. The text field allows director to manually edit student's first name
2. The text field allows director to manually edit student's last name
3. The text field allows director to edit student's major
4. The text field allows director to edit student's advisor
5. The text field allows director to edit student's position
6. The alert message invalid input
7. If the director click the question mark, then a help window appear (Screen [27_Help](#)).
8. The "Finish" button returns to the View Student web page(Screen [18_Director_Student_View](#))
9. Page Trail. This allows the user to go back to the Director Main page ([15_Director_Page](#)) or the Student List Page ([16_Director_Student_List](#)) or View Student ([18_Director_Student_View](#)). "Logout" logs the user out and returns them to the main screen ([4_Main_Page](#)).

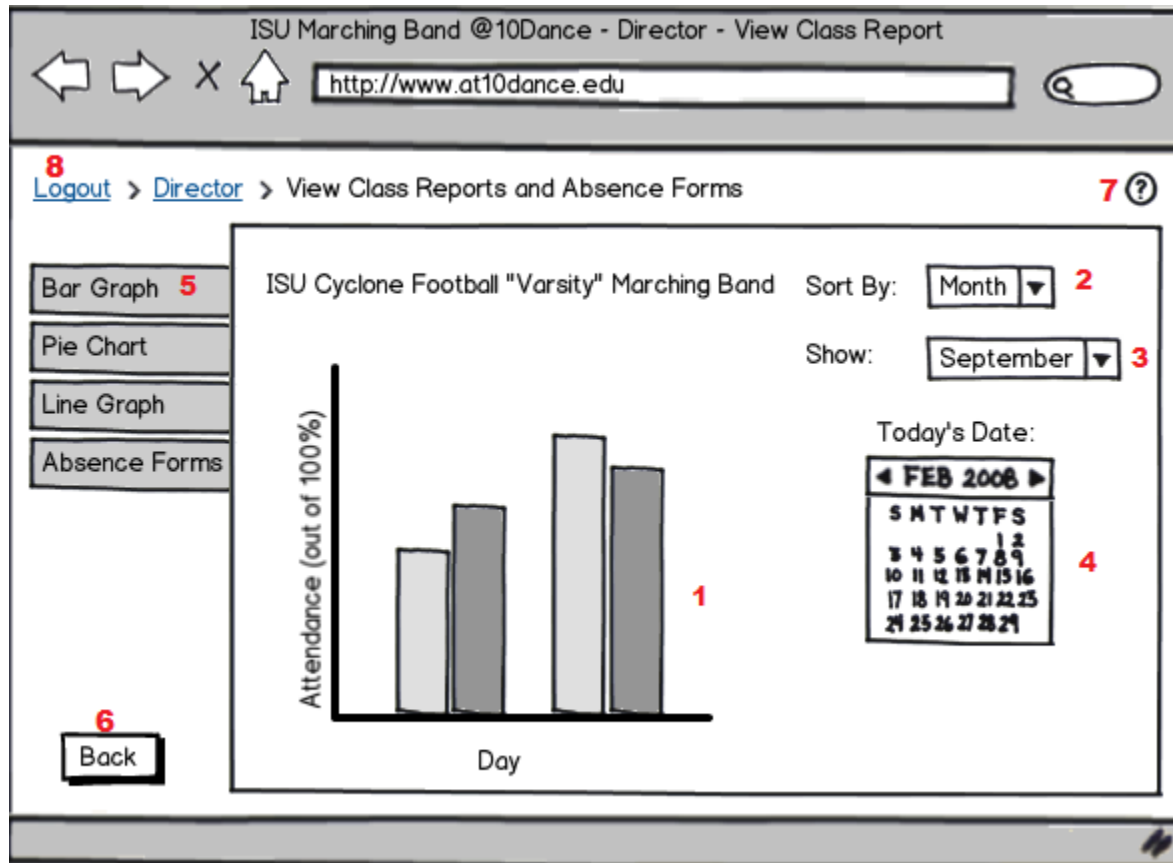


Purpose: Director can view student's attendance in bar graph

Loading Events: User presses "View Individual Reports and Absence Forms" button on View Student Window page(Screen [18_Director_Student_View](#))

Interface Elements:

1. The bar graph shows a student's attendance
2. A drop down menu for selecting what to sort by
3. A drop down menu for selecting the timeline
4. A calendar to display the date
5. The tabs shows different types of graphs and forms
6. The title shows the student's NetID and name
7. The "Back" button returns back to the student view (Screen [18_Director_Student_View](#))
8. If the director click the question mark, then a help window appear (Screen [27_Help](#)).
9. Page Trail. This allows the user to go back to the Director Main page ([15_Director_Page](#)) or the Student List Page ([16_Director_Student_List](#)) or View Student ([18_Director_Student_View](#)). "Logout" logs the user out and returns them to the main screen ([4_Main_Page](#)).



Purpose: Director can view student's attendance in bar graph

Loading Events: User presses "View Individual Reports and Absence Forms" button on View Student Window page(Screen [18_Director_Student_View](#))

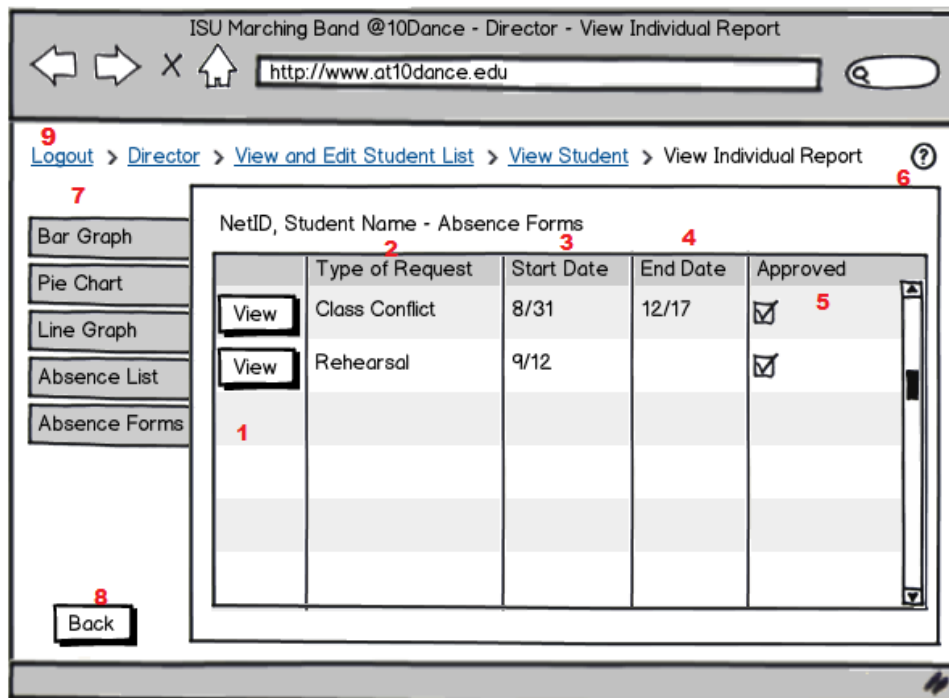
Interface Elements:

1. The bar graph shows a student's attendance
2. A drop down menu for selecting what to sort by
3. A drop down menu for selecting the timeline
4. A calendar to display the date
5. The tabs shows different types of graphs and forms
6. The "Back" button returns back to the student view (Screen [18_Director_Student_View](#))
7. If the director click the question mark, then a help window appear (Screen [27_Help](#)).
8. Page Trail. This allows the user to go back to the Director Main page ([15_Director_Page](#)). "Logout" logs the user out and returns them to the main screen ([4_Main_Page](#)).

22_Director_Student_View_Absence_Form_List

Sketch: Todd Wegter, Yifei Zhu

Annotations: Yifei Zhu



Purpose: Allow director to view individual student's absence forms

Loading Events: User presses "View Individual Reports and Absence Forms" button on View Student Window(Screen [18_Director_Student_View](#)) or "View Individual Report and Absence forms on (screen [16_Director_Student_List](#)).

Interface Elements:

1. If the director click the "View" button, the specific form will popup (screen [31_Director_Student_View_Absence](#)) or (screen [24_Director_Student_View_Conflict](#))
2. This column displays the types of requests.
3. This column displays the request start date
4. This column displays the request end date
5. The checklist shows whether the requests have been approved.
6. If the director clicks the question mark, then a help window appears (Screen [27_Help](#)).
7. The tabs show different types of graphs and forms.
8. The "Back" button returns to the View Student webpage(Screen [18_Director_Student_View](#))
9. Page Trail. This allows the user to go back to the Director Main page ([15_Director_Page](#)) or the Student List Page ([16_Director_Student_List](#)) or View Student ([18_Director_Student_View](#)). "Logout" logs the user out and returns them to the main screen ([4_Main_Page](#)).

23_Director_View_Class_Absence_Forms

Sketch: Todd Wegter, Yifei Zhu

Annotations: Yifei Zhu

	Name ▲	Type of Request	Start Date	End Date	Approved
View	Todd Wegter	Class Conflict	8/31	12/17	<input checked="" type="checkbox"/>
View	Brandon Maxwell	Rehearsal	9/12		<input checked="" type="checkbox"/>
1	9	2	3	4	5

Purpose: Allow director to view individual student's absence forms

Loading Events: User presses "View Class Reports and Absence Forms" of the Director Student List (screen [16_Director_Student_List](#)).

Interface Elements:

1. If the director click the "View" button, the specific form will popup student conflict form (screen [4_Director_Student_View_Conflict](#)) or student absence form(screen [31_Director_Student_View_Absence_Form](#))
2. This column displays the types of requests.
3. This column displays the request start date
4. This column displays the request end date
5. The checklist shows whether the requests have been approved.
6. If the director clicks the question mark, then a help window appears (Screen [27_Help](#)).
7. The tabs show different types of graphs and forms.
8. The "Back" button returns to the View Student webpage(Screen [18_Director_Student_View](#))
9. The name list shows the students who have been absent from band practice
10. Page Trail. This allows the user to go back to the Director Main page ([15_Director_Page](#)). "Logout" logs the user out and returns them to the main screen ([4_Main_Page](#)).

24_Director_Student_View_Conflict

Sketch: Todd Wegter, Yifei Zhu

Annotations: Yifei Zhu

ISU Marching Band @10Dance - Director - View Class Conflict Form

http://www.at10dance.edu

[Logout](#) > [Director](#) > [View and Edit Student List](#) > [View Student](#) > Class Conflict Form

NetID, Student Name - Class Conflict 1

What is the recurrence of this class?

☐ Monday

☒ Tuesday

☐ Wednesday

☒ Thursday

☐ Friday

☐ Until

☐ Starting At

☒ Completely Miss

Start Date: 8/31

End Date: 12/17

Course Dept: Engl

Course #: 314

Section: F

Building: Ross Hall

Comments: I don't like English...

Back Prev Approve Deny and Message Next

Purpose: Allow director to approve/disprove students' class conflict forms

Loading Events: User presses "View Individual Reports and Absence Forms " button on View Student Window(Screen [18_Director_Student_View](#))

Interface Elements:

1. Go to the previous or next form.
2. The checkmark shows the dates a student has a class conflict.
3. The Start Date and End Date the student has classes conflict
4. Shows what portion of class will be missed. (radio buttons and text box)
5. The text field shows the conflicts course department
6. The text field shows the conflicts course name
7. The text field shows the conflicts course section
8. The text field shows the conflicts course address
9. The text field shows comments from the student for the conflict
10. The Director clicks on the "Approve" button, if he agrees with the class conflict
11. The Director clicks on the "Deny and Message" button, if he disagrees with the class conflict
12. The "Back" button returns back to the student view page(Screen [18_Director_Student_View](#))
13. If the director clicks the question mark, then a help window appears (Screen [27_Help](#)).
14. Page Trail. This allows the user to go back to the Director Main page ([15_Director_Page](#)) or the Student List Page ([16_Director_Student_List](#)) or View Student ([18_Director_Student_View](#)). "Logout" logs the user out and returns them to the main screen ([4_Main_Page](#)).

ISU Marching Band @10Dance - Director - View Individual Report

http://www.at10dance.edu

Logout > Director > View and Edit Student List > View Student > View Individual Report

Bar Graph
Pie Chart
Line Graph
Absence List
Absence Forms

NetID, Student Name

Date	Present	Absent	Tardy	Excused	Reason
8/21	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8/22	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8/23	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8/24	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Crazy Teacher

Save Changes

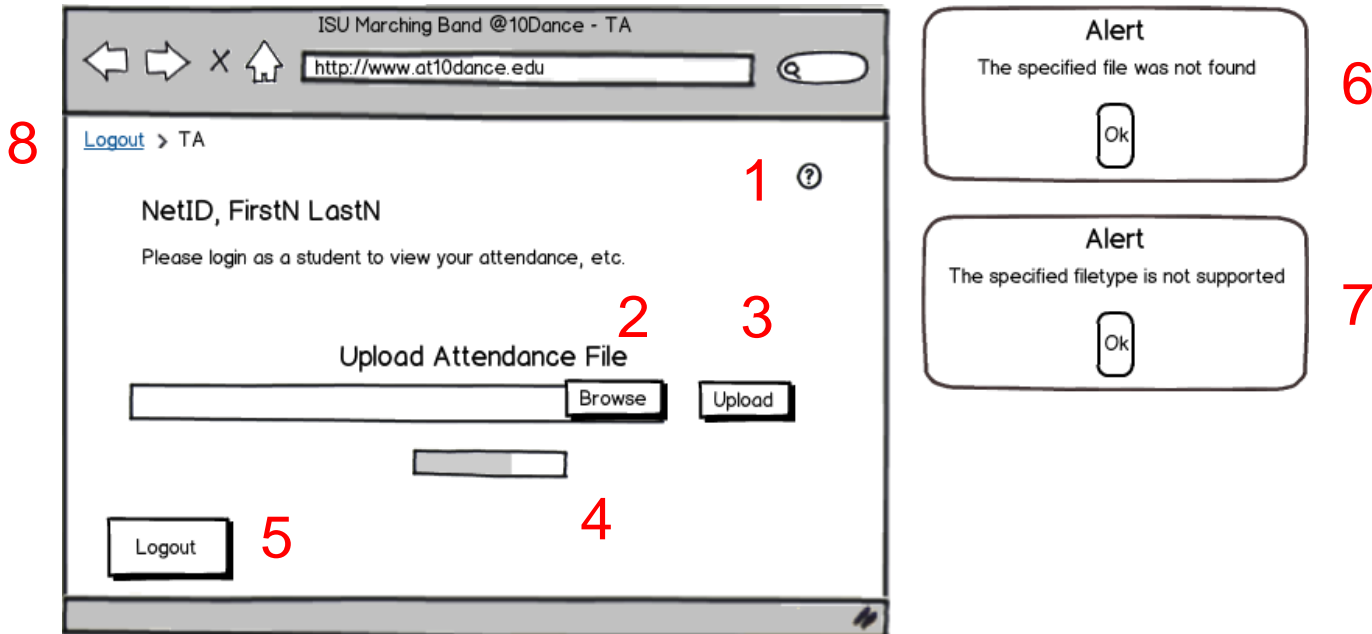
Back

Purpose: Allows the director to view a student's individual report

Loading Events: User presses "View Individual Reports and Absence Forms " button on View Student Window(Screen [18_Director_Student_View](#))

Interface Elements:

1. The tabs show different types of graphs and forms.
2. The dates the students have class.
3. The checkmark indicates that the student came to class
4. The checkmark indicates that the student was absent from class
5. The checkmark indicates that the student was tardy from class
6. The checkmark indicates that the student was excused from class
7. The text field shows the reason the student could not get to class on time
8. Used to save all of the changes to the attendance.
9. If the director clicks the question mark, then a help window appears (Screen [27_Help](#)).
10. The "Back" button returns to the View Student webpage(Screen [18_Director_Student_View](#))
11. Page Trail. This allows the user to go back to the Director Main page ([15_Director_Page](#)) or the Student List Page ([16_Director_Student_List](#)) or View Student ([18_Director_Student_View](#)). "Logout" logs the user out and returns them to the main screen ([4_Main_Page](#)).



Purpose: This is the TA home page. It allows TAs to upload attendance data exported from the html5 app. TAs can view their attendance, etc. by logging in as a student.

Loading Events: User logs in to the online application as a TA.

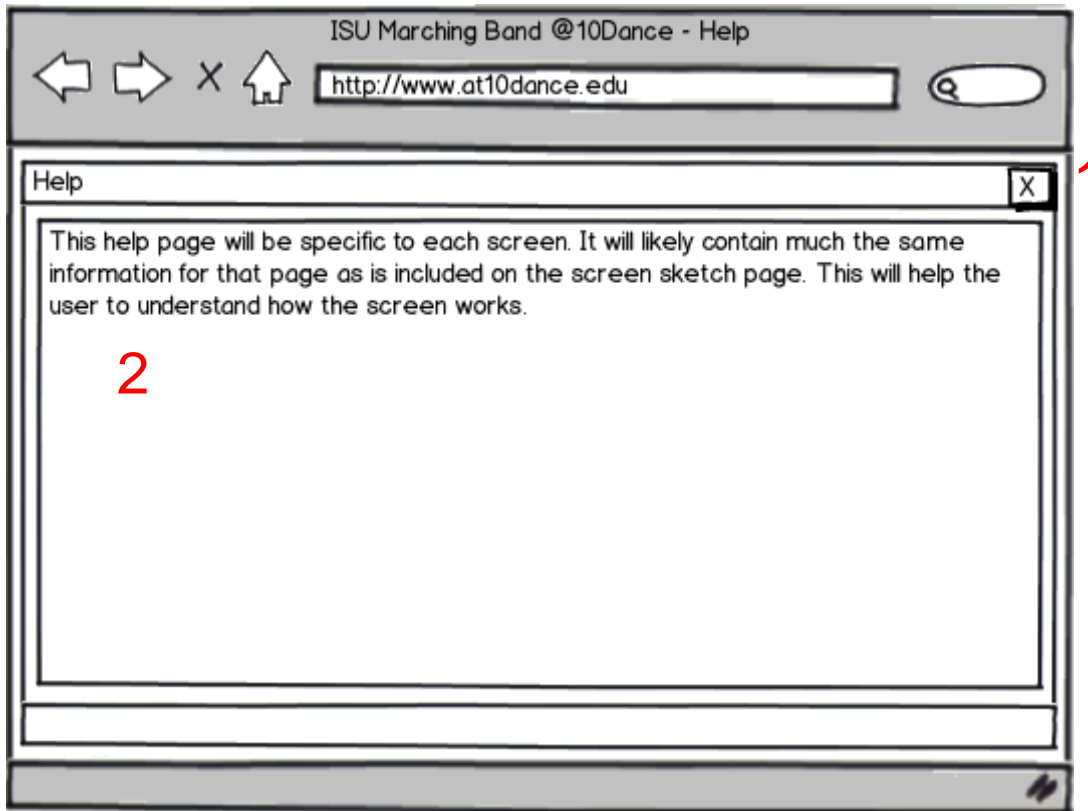
Interface Elements:

1. Help Button. Pulls up a help page ([27_Help](#)) detailing the items on this page and how to use them.
2. File to Upload Selector. Allow user to either type in the filepath of a file to upload or select it in windows explorer by clicking the “Browse” button.
3. Upload Button. Uploads the selected attendance data file
4. Progress Bar. Shows the progress of the attendance file upload.
5. Logout Button. Allows user to logout, returning them to the main screen ([4_Main_Page](#)).
6. File Not Found Alert. The file specified to upload in (2) could not be found when (3) is clicked.
7. File Type Alert. The type of the file specified to upload in (2) when (3) is clicked is not supported.
8. Page Trail. This allows the user to go back to any page higher up in the page hierarchy. “Logout” logs the user out and returns them to the main screen ([4_Main_Page](#)).

27_Help

Sketch: Todd Wegter

Annotations: Todd Wegter



Purpose: This screen pops up over other screens when the Help Button is pushed. It is custom tailored to each screen.

Loading Events: This screen pops up over other screens when the Help Button is pushed.

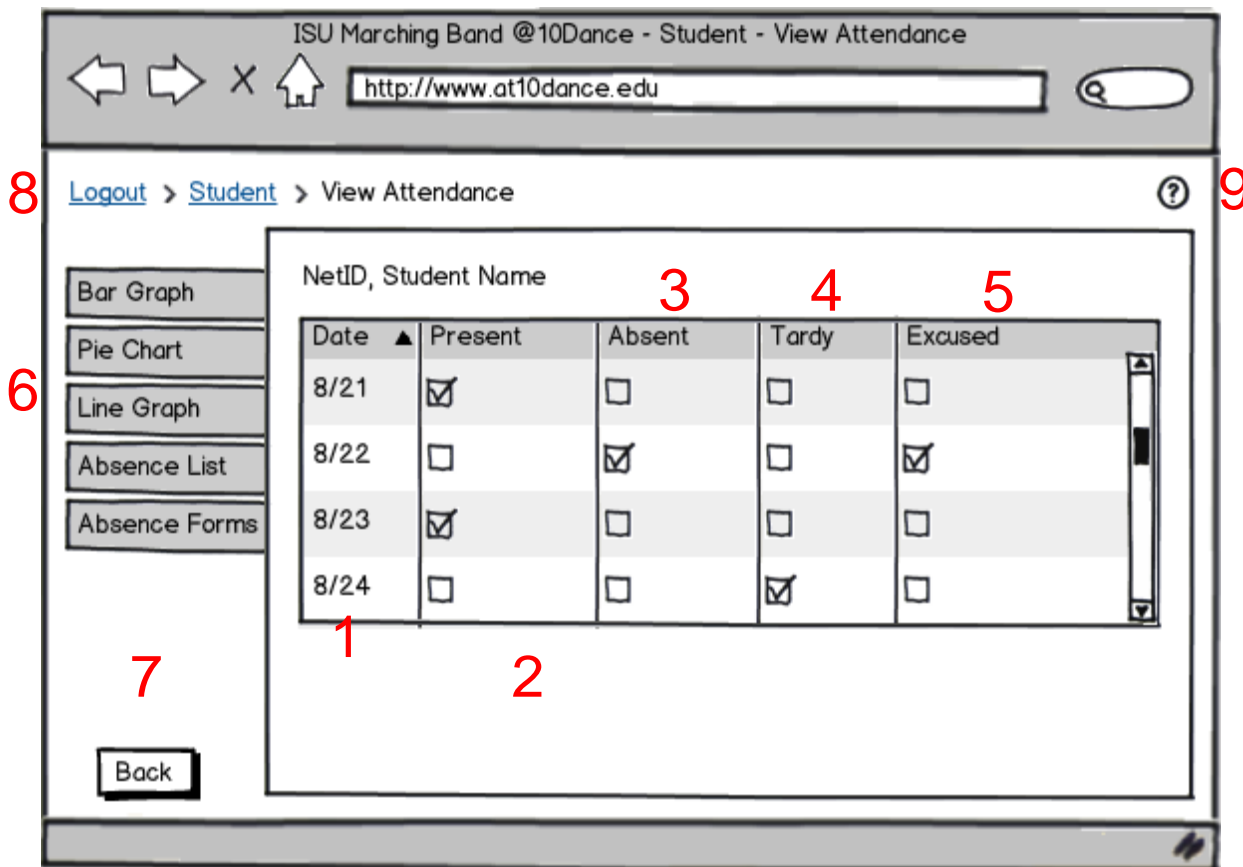
Interface Elements:

1. Exit Button. Closes the help window (2), revealing the page it was loaded over.
2. Help Window. Gives a detailed account of how to use the page in which the Help Button was clicked.

28_Student_View_Attendance_List

Sketch: Todd Wegter

Annotations: Todd Wegter

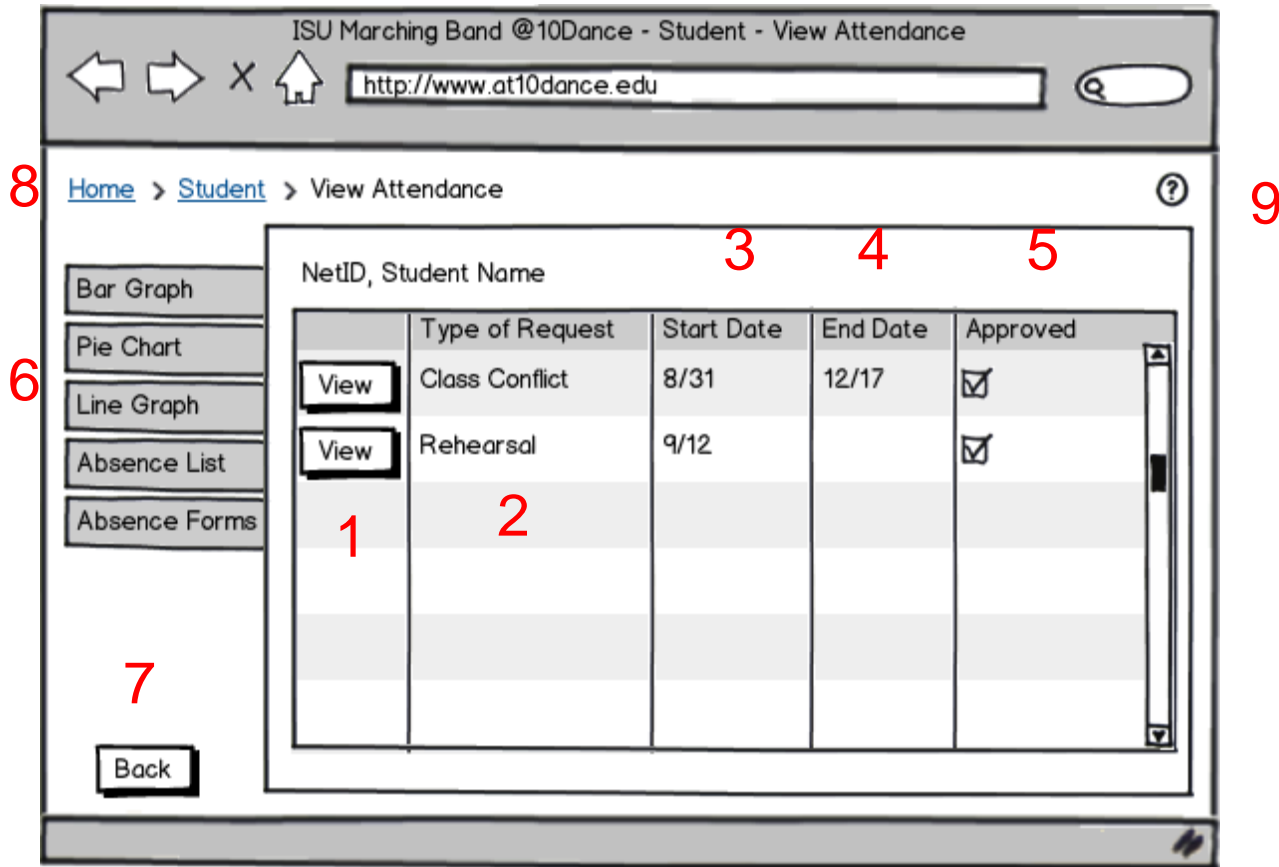


Purpose: This is the page where students can view the list of their attendances by date.

Loading Events: This page is loaded by clicking the “View Attendance” button on the Student Main Page (7_Student_Page). It can also be switched to from any other attendance page using the Attendance Page Tabs (6).

Interface Elements:

1. Date Column. This shows the date for each attendance record.
2. Present Column. Shows the days the user was present.
3. Absent Column. Shows the days the user was absent.
4. Tardy Column. Shows the days the user was tardy.
5. Excused Column. Shows the absences that were excused.
6. Attendance Page Tabs. Allows the user to switch between (8_Student_Bar_Graph) (9_Student_Line_Graph) (10_Student_Pie_Chart), and (29_Student_Absence_Form_List).
7. Back Button. Takes the user back to the Student Main Page (7_Student_Page).
8. Page Trail. This allows the user to go back to the Student Main Page (7_Student_Page). “Logout” logs the user out and returns them to the main screen (4_Main_Page).
9. Help Button. Pulls up a help page (27_Help) detailing the items on this page and how to use them.



Purpose: This is the student view of absence forms he or she has submitted.

Loading Events: This page can also be switched to from any other attendance page using the Attendance Page Tabs (6).

Interface Elements:

1. View Buttons. Allows the user to view the absence form in the specified row.
2. Type of Request Column. Shows the type of the absence form.
3. Start Date Column. Shows the start date for repeating absence forms and the only day for single day occurrences.
4. End Date Column. Shows the end date for repeating absence forms.
5. Approved Column. Shows the absence requests that have been approved.
6. Attendance Page Tabs. Allows the user to switch between (8_Student_Bar_Graph) (9_Student_Line_Graph) (10_Student_Pie_Chart), and (28_Student_View_Attendance_List).
7. Back Button. Takes the user back to the Student Main Page (7_Student_Page).
8. Page Trail. This allows the user to go back to the Student Main Page (7_Student_Page). "Logout" logs the user out and returns them to the main screen (4_Main_Page).
9. Help Button. Pulls up a help page (27_Help) detailing the items on this page and how to use them.

30_Student_View_Absence_Approval_Forms

Sketch: Todd Wegter, Yifei Zhu

Annotations: Todd Wegter

ISU Marching Band @10Dance - Student - Absence Approval Form

http://www.at10dance.edu

Logout > Student > View Attendance > Submitted Absence Forms

Student Name - Class Conflict 1 Course Dept: Engl

What is the recurrence of this class?

☐ Monday Start Date: 8/31 Course #: 314

☒ Tuesday End Date: 12/17 Section: F

☐ Wednesday Building: Ross Hall

☒ Thursday

☐ Friday

☐ Until

☐ Starting At

☒ Completely Miss

Comments: I don't like English...

Back Prev Approved Next

Purpose: This page allows the student to view each individual submitted absence form (the shown page is specific to Class Conflict forms).

Loading Events: Clicking the "View" Button for any absence form in ([29_Student_Absence_Form_List](#)).

Interface Elements:

1. Effective Days. Shows the days of the week that this form applies to.
2. Effective Dates. Shows the dates that this form is valid for.
3. Class Information. Shows the information for the class conflict.
4. Missing Portion. Shows what portion of class will be missed. (radio buttons and text box)
5. Approved Checkbox. A checkmark shows that the form has been approved.
6. Prev/Next Buttons. Allows the user to view the next or previous submitted absence form.
7. Back Button. Takes the user back to the List of Student Absence Forms page ([29_Student_Absence_Form_List](#)).
8. Page Trail. This allows the user to go back to the Student Main Page ([7_Student_Page](#)) or the List of Student Absence Forms page ([29_Student_Absence_Form_List](#)). "Logout" logs the user out and returns them to the main screen ([4_Main_Page](#)).
9. Help Button. Pulls up a help page ([27_Help](#)) detailing the items on this page and how to use them.
10. Absence Form Label. Shows the User's name and the number and type of the absence form he or she is viewing.

31_Director_Student_View_Absence_Form

Sketch: Todd Wegter

Annotations: Todd Wegter

ISU Marching Band @10Dance - Director - View Absence Approval Form

http://www.at10dance.edu

Logout > Director > View and Edit Student List > View Student > Absence Form

NetID, Student Name - Absence 1

☐ Monday ☒ Tuesday ☐ Wednesday ☐ Thursday ☐ Friday

Date: 10/17

Will this be a Recurring Absence or Tardy? No

How Often? Weekly

Reason:

Additional Info:

View Uploaded Document

Back Prev Approve Deny and Message Next

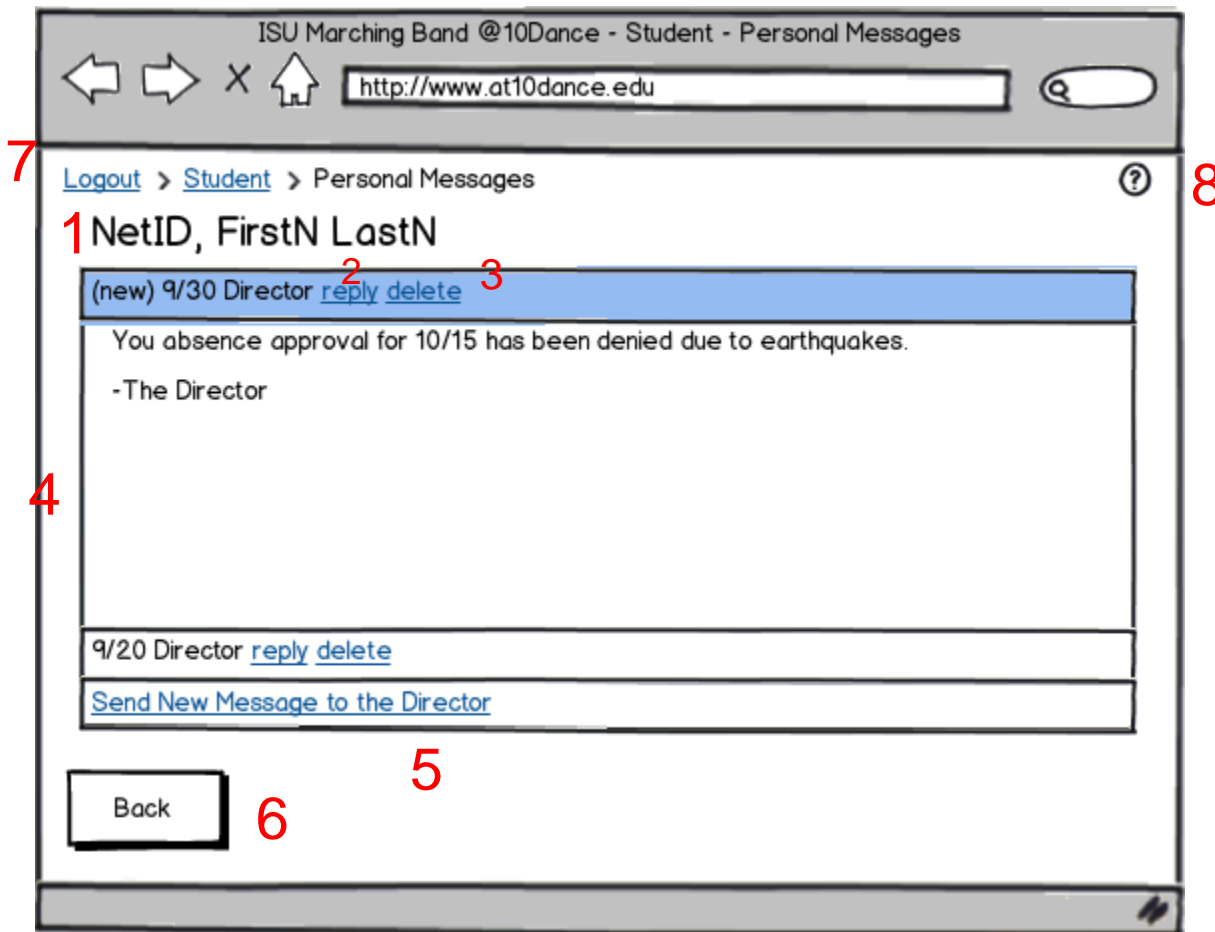
Grayed out if no file uploaded

Purpose: This page allows the director to view individual submitted absence forms and approve or deny them.

Loading Events: This page is loaded by clicking the "View" button for an individual absence form in (22_Director_Student_View_Absence) or (23_Director_View_Class_Absence) or by clicking another absence or class conflict form's Next or Prev Button (7)

Interface Elements:

1. Effective Day. Shows the day of the week that this form applies to.
2. Effective Date. Shows the date that this form is valid for.
3. Recurrence Combo Boxes. Shows if this absence will be recurring.
4. Reason Box. Shows the given reason for the absence.
5. Additional Info Box. Shows any additional info given for the absence.
6. View Uploaded Document Button. Downloads the document uploaded with the form, if one was uploaded.
7. Prev/Next Buttons. Allows the user to view the next or previous submitted absence form.
8. Approve Button. Approves the absence form (marks these day(s) as excused).
9. Deny Button. Denies the absence and pulls up the Message Center (33_Director_Message_Center) so the director may notify the student.
10. Back Button. Takes the user back to the List of Student Absence Forms page (29_Student_Absence_Form_List).
11. Page Trail. This allows the user to go back to the Director Main Page (7_Student_Page) or the Student List (15_Director_Page) or the individual Student page (16_Director_Student_List). "Logout" logs the user out and returns them to the main screen (4_Main_Page).
12. Help Button. Pulls up a help page (27_Help) detailing the items on this page and how to use them.
13. Absence Form Label. Shows the student's name, NetID, and the number and type of the absence form the director is viewing.



Purpose: This is the Student Messaging Center. It allows student the send a personal message to the director and reply to any messages from the director.

Loading Events: The page is loaded by clicking the “Personal Messages” button in the Student Main Page ([7_Student_Page](#)).

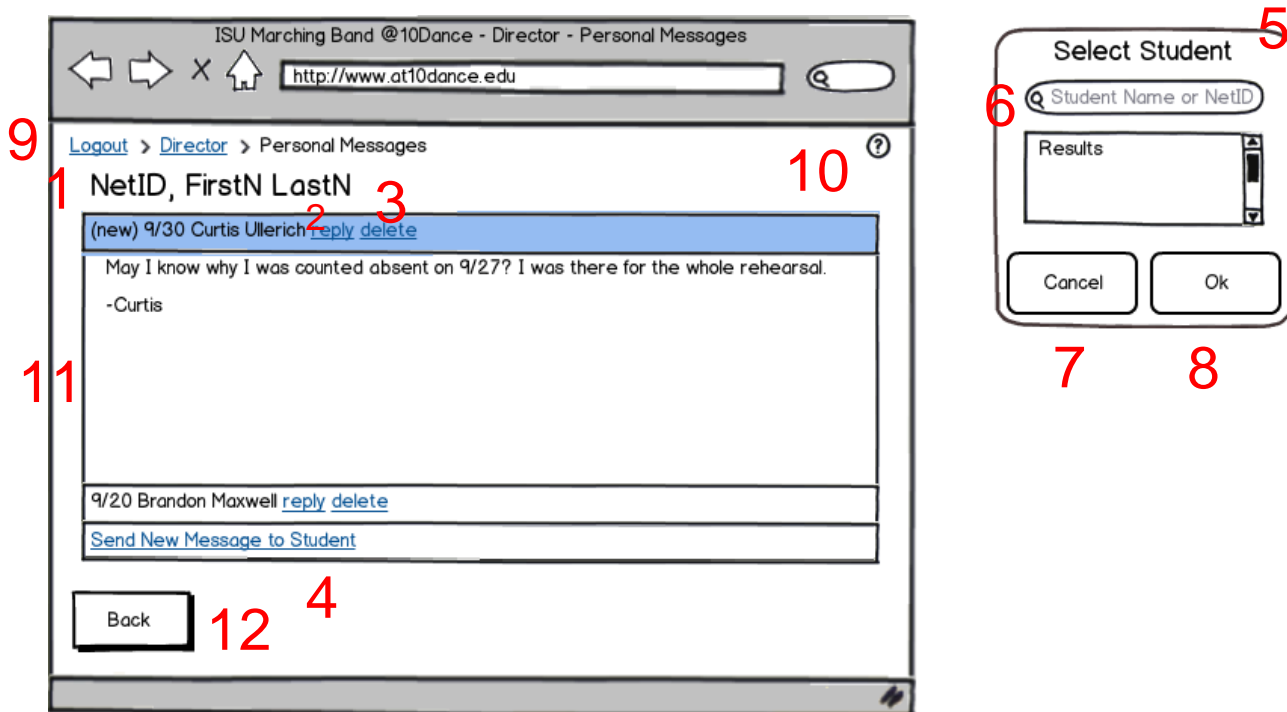
Interface Elements:

1. User ID. Shows the User’s NetID and First and Last Name.
2. Reply Button. Allows the user to reply to the specified message.
3. Delete Button. Allows the user to delete the specified message.
4. Message Window. Shows headers for each message, allowing each of them to be viewed inside the window.
5. Message Director Button. Allows the student to compose a new message to send to the director.
6. Back Button. Takes the user back to the Student Main Page ([7_Student_Page](#)).
7. Page Trail. This allows the user to go back to the Student Main Page ([7_Student_Page](#)). “Logout” logs the user out and returns them to the main screen ([4_Main_Page](#)).
8. Help Button. Pulls up a help page ([27_Help](#)) detailing the items on this page and how to use them.

33_Director_Message_Center

Sketch: Todd Wegter

Annotations: Todd Wegter



Purpose: This is the Director's Message Center. It allows the director to send a personal message to any student and reply to any message in the inbox.

Loading Events: This page is loaded by clicking the "Personal Messages" Button on the Director Main Page ([15_Director_Page](#)) or by denying an Absence Approval Form ([31_Director_Student_View_Absence](#)).

Interface Elements:

1. User ID. Shows the User's NetID and First and Last Name.
2. Reply Button. Allows the user to reply to the specified message.
3. Delete Button. Allows the user to delete the specified message.
4. Message Student Button. Allows the director to compose a message to send to any student.
5. Select Student Window. Allows the director to select which student to send a message to.
6. Student Search Bar. Searches the student list for the specified student.
7. Cancel Button. Allows the user to cancel composing a message.
8. OK Button. Allows the user to compose a message to the selected student.
9. Page Trail. This allows the user to go back to the Student Main Page ([7_Student_Page](#)). "Logout" logs the user out and returns them to the main screen ([4_Main_Page](#)).
10. Help Button. Pulls up a help page ([27_Help](#)) detailing the items on this page and how to use them.
11. Message Window. Shows headers for each message, allowing each of them to be viewed inside the window.

Back Button. Takes the user back to the previous page, either the Director Main Page([15_Director_Page](#)) or the Absence Form Approval Page ([31_Director_Student_View_Absence](#)) or ([24_Director_Student_View_Conflict](#)).

Non-functional Requirements

-Performance

- Must not lose any records throughout the season
- Must allow simple and efficient use on the field
- Can access and sort database in 250ms
- Can process at least 100 tardy records per upload
- Can check in 400 students per day

-Security

- Can't compromise NetIDs, passwords, attendance records, or grades
- Only directors and student staffs can access students' record

-Maintainability

- Must be usable from season-to-season
- Easily debuggable
- Records are persistent across system update

