

Track 360 Client Use Cases

Name:	Start Up
Summary:	The launch of the phone app through the display of the first information to the user.
Version:	2.0
Preconditions:	1. System displays Track 360 icon
Triggers:	1. User selects Track 360 icon
Main Success Scenario:	N/A
Alternative Success Scenarios:	N/A
Postconditions:	<ol style="list-style-type: none"> 1. System displays Track 360 icon 2. System displays hrs/week icon 3. System displays "15 hpw" 4. System displays "F", "0%", and "A" 5. System displays java topics category icon and java topics score of 0% 6. System displays UML category icon and UML score of 0% 7. System displays professionalism category icon and professionalism score of 0% 8. System displays professional scheduling category icon and professional scheduling score of 0% 9. System displays self-reflection/meta-cognition category icon and self-reflection/metacognition score of 0% 10. System displays setup hrs/week icon 11. System displays id and encryption icon 12. System displays fluency appointment scheduling icon
Business Rules	N/A
Notes:	<p>After fluencies are claimed in topics, assessed, and added into the system by the instructor the overall score and the sub-group scores will no longer be 0%.</p> <p>After the effort tracker has been set up, the default effort, 15 hrs/week, will be replaced with the effort required to achieve the learner's goal. As the semester continues, the hrs/week line will be updated to reflect the amount of work/week needed to meet the learner's goal.</p> <p>If the user is interrupted by a phone call, text, etc. the app will not return to this use case. It will resume where the user left off.</p>
Author:	Lee Barney
Date:	1/2/2016

Name:	View Assessment Details
Summary:	The user can view their assessed fluency in the sub-topics of each fluency grouping.
Version:	2.0
Preconditions:	<ol style="list-style-type: none"> 1. System displays Track 360 icon 2. System displays hrs/week icon 3. System displays "15 hpw" 4. System displays "F", "0%", and "A" 5. System displays java topics category icon and java topics score of 0% 6. System displays UML icon and UML score of 0% 7. System displays professionalism icon and professionalism score of 0% 8. System displays professional scheduling icon and professional scheduling score of 0% 9. System displays self-reflection/meta-cognition icon and self-reflection/metacognition score of 0% 10. System displays setup hrs/week icon 11. System displays id and encryption icon 12. System displays fluency appointment scheduling icon
Triggers:	<ol style="list-style-type: none"> 1. User selects java topics icon
Main Success Scenario:	<ol style="list-style-type: none"> 1. System displays "Java" 2. System displays java icon 3. System displays "Category Score: 0%" 4. System displays "Collections:" and Strongly Disagree icon 5. System displays "Hibernate:" and Strongly Disagree icon 6. System displays "JSON and QCJSON:" and Strongly Disagree icon 7. System displays "HTTPURLConnection in Android:" and Strongly Disagree icon 8. System displays "JUnit Tests:" and Strongly Disagree icon 9. System displays "Parallel Processing:" and Strongly Disagree icon 10. System displays "Application Controller Pattern:" and Strongly Disagree icon 11. System displays "Servlets:" and Strongly Disagree icon 12. User selects app background
Alternative Success Scenarios:	N/A

Postconditions:	<ol style="list-style-type: none"> 1. System displays Track 360 icon 2. System displays hrs/week icon 3. System displays "15 hpw" 4. System displays "F", "0%", and "A" 5. System displays java topics category icon and java topics score of 0% 6. System displays UML icon and UML score of 0% 7. System displays professionalism icon and professionalism score of 0% 8. System displays professional scheduling icon and professional scheduling score of 0% 9. System displays self-reflection/meta-cognition icon and self-reflection/metacognition score of 0% 10. System displays setup hrs/week icon 11. System displays id and encryption icon 12. System displays fluency appointment scheduling icon
Business Rules	N/A
Notes:	<p>After fluencies are claimed by the user in topics, assessed, and added into the system by the instructor the category score and topic scores will no longer be 0%.</p> <p>Each category will have its own set of fluency items.</p> <p>There are different icons for each level of fluency; strongly disagree, disagree, agree, strongly agree.</p>
Author:	Lee Barney
Date:	1/2/2016

Name:	Configure Effort Predictor
Summary:	The user is asked to state their preparedness for the class and the target grade they would like to achieve. Based on a 9 hour per week standard for A -> A, B-> B, etc. an estimated number of hours per week is calculated. If the user delays claiming fluency in topics, the hrs/week is recalculated and the effort hrs/week is updated.
Version:	2.0
Preconditions:	<ol style="list-style-type: none"> 1. System displays Track 360 icon 2. System displays hrs/week icon 3. System displays "15 hpw" 4. System displays "F", "0%", and "A" 5. System displays java topics category icon and java topics score of 0% 6. System displays UML icon and UML score of 0% 7. System displays professionalism icon and professionalism score of 0% 8. System displays professional scheduling icon and professional scheduling score of 0% 9. System displays self-reflection/meta-cognition icon and self-reflection/metacognition score of 0% 10. System displays setup hrs/week icon 11. System displays id and encryption icon 12. System displays fluency appointment scheduling icon
Triggers:	<ol style="list-style-type: none"> 1. User selects effort predictor setup icon
Main Success Scenario:	<ol style="list-style-type: none"> 1. System displays "hrs/week" 2. System displays "week" 3. System displays effort predictor vertical and horizontal axis 4. System displays a red default effort line 5. System displays "2 3 4 5 6 7 8 9 10 11 12 13" along horizontal axis 6. System displays "3 4 5 6 7 8 9 10 11 12" along vertical axis 7. System displays class preparedness icon and preparedness slider 8. System displays "B" for system preparedness 9. System displays goal icon and goal slider value 10. System displays "A" for goal slider value 11. User selects preparedness of "A" using preparedness slider 12. User selects goal of "A" using goal slider 13. System displays effort line at "9" on the vertical axis 14. User selects app background
Alternative Success Scenarios:	N/A

Postconditions:	<ol style="list-style-type: none"> 1. System displays Track 360 icon 2. System displays hrs/week icon 3. System displays "15 hpw" 4. System displays "F", "0%", and "A" 5. System displays java topics category icon and java topics score of 0% 6. System displays UML icon and UML score of 0% 7. System displays professionalism icon and professionalism score of 0% 8. System displays professional scheduling icon and professional scheduling score of 0% 9. System displays self-reflection/meta-cognition icon and self-reflection/metacognition score of 0% 10. System displays setup hrs/week icon 11. System displays id and encryption icon 12. System displays fluency appointment scheduling icon
Business Rules	<p>The goal can be greater or less than the preparedness. The maximum goal is "A" The minimum goal is "F" The maximum preparedness value is "6" The minimum preparedness value is "1"</p>
Notes:	<p>The effort hours/week calculation is directly related to 11 hours per week (both in-class and out of class hours) expected for this 3 credit course.</p> <p>Effort hours/week is directly related to the total amount of effort required to become fluent in each of the remaining topics.</p> <p>Effort hours/week is inversely related to the number of weeks left for the class.</p>
Author:	Lee Barney
Date:	1/2/2016

Name:	Make Fluency Appointment
Summary:	The user can go directly to the meetme.so web site and sign up for a 10 minute meeting to record fluency and professionalism scores.
Version:	2.0
Preconditions:	<ol style="list-style-type: none"> 1. System displays Track 360 icon 2. System displays hrs/week icon 3. System displays "15 hpw" 4. System displays "F", "0%", and "A" 5. System displays java topics category icon and java topics score of 0% 6. System displays UML icon and UML score of 0% 7. System displays professionalism icon and professionalism score of 0% 8. System displays professional scheduling icon and professional scheduling score of 0% 9. System displays self-reflection/meta-cognition icon and self-reflection/metacognition score of 0% 10. System displays setup hrs/week icon 11. System displays id and encryption icon 12. System displays fluency appointment scheduling icon
Triggers:	<ol style="list-style-type: none"> 1. User selects schedule appointment icon
Main Success Scenario:	<ol style="list-style-type: none"> 1. System displays meetme.so web page 2. User makes appointment 3. User selects app background
Alternative Success Scenarios:	N/A
Postconditions:	<ol style="list-style-type: none"> 1. System displays Track 360 icon 2. System displays hrs/week icon 3. System displays "15 hpw" 4. System displays "F", "0%", and "A" 5. System displays java topics category icon and java topics score of 0% 6. System displays UML icon and UML score of 0% 7. System displays professionalism icon and professionalism score of 0% 8. System displays professional scheduling icon and professional scheduling score of 0% 9. System displays self-reflection/meta-cognition icon and self-reflection/metacognition score of 0% 10. System displays setup hrs/week icon 11. System displays id and encryption icon 12. System displays fluency appointment scheduling icon
Business Rules	N/A

Notes:	The main success scenario is left vague regarding how to setup and appointment. This is due to the process being out of the control of the app. The app will show the meetme.so page. The success scenario may vary over time as the meetme.so development team makes changes.
Author:	Lee Barney
Date:	1/2/2016

Name:	ID and Encryption Key Entry
Summary:	The student id and the encryption key are required to retrieve and decrypt the student's assessments
Version:	1.0
Preconditions:	<ol style="list-style-type: none"> 1. System displays Track 360 icon 2. System displays hrs/week icon 3. System displays "15 hpw" 4. System displays "F", "0%", and "A" 5. System displays java topics category icon and java topics score of 0% 6. System displays UML icon and UML score of 0% 7. System displays professionalism icon and professionalism score of 0% 8. System displays professional scheduling icon and professional scheduling score of 0% 9. System displays self-reflection/meta-cognition icon and self-reflection/metacognition score of 0% 10. System displays setup hrs/week icon 11. System displays id and encryption icon 12. System displays fluency appointment scheduling icon
Triggers:	<ol style="list-style-type: none"> 1. User selects id and encryption icon
Main Success Scenario:	<ol style="list-style-type: none"> 1. System displays id icon and id input field 2. System displays key icon and key input field 3. User selects id input field 4. System displays keyboard 5. User enters id 6. User selects key field 7. User enters encryption key 8. User selects app background
Alternative Success Scenarios:	N/A
Postconditions:	<ol style="list-style-type: none"> 1. System displays Track 360 icon 2. System displays hrs/week icon 3. System displays "15 hpw" 4. System displays "F", "0%", and "A" 5. System displays java topics category icon and java topics score of 0% 6. System displays UML icon and UML score of 0% 7. System displays professionalism icon and professionalism score of 0% 8. System displays professional scheduling icon and professional scheduling score of 0% 9. System displays self-reflection/meta-cognition icon and self-reflection/metacognition score of 0% 10. System displays setup hrs/week icon 11. System displays id and encryption icon 12. System displays fluency appointment scheduling icon

Business Rules	The student id must be the id received from the instructor. The encryption key must be the key received from the instructor.
Notes:	The user can enter the id and key in any order they choose.
Author:	Lee Barney
Date:	1/2/2016

Course Track Server Use Cases

Name:	Add Student
Summary:	A request made from the Manage 360 Client adds a Universally Unique Identifier for a student
Version:	1.0
Preconditions:	System displays "Waiting for connection"
Triggers:	1. Manage 360 Client connects
Main Success Scenario:	<ol style="list-style-type: none"> 1. Client sends '['app": "360", "cmd": "addStudent", 'classId": a UUID string, "studentId": another UUID string'] 2. System sends JSON string following the pattern '{"id": a UUID string, "assessments": ""}'
Alternative Success Scenarios:	N/A
Postconditions:	1. System displays "Waiting for connection"
Business Rules	<ol style="list-style-type: none"> 1. The command must be "addStudent" 2. The UUID string must be a Universally Unique Identifier following the pattern of 8-4-4-12 where each number represents a series of alpa-numeric characters 3. The UUID string must not have been previously stored
Notes:	This use case is temporary since the Manage 360 Client has not yet been designed.
Author:	Lee Barney
Date:	1/2/2016

Name:	Get Student Assessments
Summary:	A request made the stored student assessments results in an encrypted JSON data string consisting of an array of topic description string-assessment pairs.
Version:	1.0
Preconditions:	System displays "Waiting for connection"
Triggers:	1. Track or Update 360 Client connects
Main Success Scenario:	<ol style="list-style-type: none"> 1. Client sends '{"app": "360", "cmd": "getAssessment", "id": a student UUID String}' 2. System sends and encrypted data
Alternative Success Scenarios:	N/A
Postconditions:	1. System displays "Waiting for connection"
Business Rules	<ol style="list-style-type: none"> 1. The command must be "getAssessment" 2. The UUID string must be a Universally Unique Identifier following the pattern of 8-4-4-12 where each number represents a series of alpa-numeric characters 3. The UUID string must match one already stored
Notes:	N/A
Author:	Lee Barney
Date:	1/2/2016

Name:	Update Student Assessments
Summary:	A request from the Update 360 Client containing the student id is used to send and store the encrypted assessment data for the specific student.
Version:	1.0
Preconditions:	System displays "Waiting for Connection"
Triggers:	1. Update 360 Client connects
Main Success Scenario:	<ol style="list-style-type: none"> 1. Client sends '{"app": "360", "cmd": "setAssessments", "id": an id string, "scores": encrypted data}' 2. System sends encrypted JSON string
Alternative Success Scenarios:	N/A
Postconditions:	1. System displays "Waiting for Connection"
Business Rules	<ol style="list-style-type: none"> 1. Student id string can not be blank 2. Student id string must match one already stored 3. Student id must be a Universally Unique Identifier following the pattern of 8-4-4-12 where each number represents a series of alpa-numeric characters 4. cmd must be "setScores" 5. Scores string must not be blank
Notes:	This use case is temporary since the Update 360 Client has not yet been designed.
Author:	Lee Barney
Date:	1/2/2016

Name:	Get All Class Assessments
Summary:	A request from the Update 360 client containing the instructor's Universally Unique Identifier and the class identifier is used to request all the encrypted data for a specific class of students
Version:	1.0
Preconditions:	System displays "Waiting for Connection"
Triggers:	1. Manage 360 Client connects
Main Success Scenario:	<ol style="list-style-type: none"> 1. Client sends '{"app": "360", "cmd": "getAll", "instructorId": an id string, "classId": another id}' 2. System sends encrypted JSON string
Alternative Success Scenarios:	N/A
Postconditions:	System displays "Waiting for Connection"
Business Rules	<ol style="list-style-type: none"> 1. Instructor and class id strings can not be blank 2. Instructor and class id strings must match ones already stored 3. Instructor id string must be a Universally Unique Identifier following the pattern of 8-4-4-12 where each number represents a series of alpa-numeric characters 4. cmd must be "getAll"
Notes:	This use case is temporary since the Manage 360 Client has not yet been designed.
Author:	Lee Barney
Date:	1/2/2016

Name:	Remove Class Students
Summary:	A request from the Update 360 client containing the instructor's Universally Unique Identifier and the class' identifier results in the removal of the class, all students in the class, and all the assessments for the students
Version:	1.0
Preconditions:	System displays "Waiting for Connection"
Triggers:	Update 360 Client connects
Main Success Scenario:	<ol style="list-style-type: none"> 1. Client sends '{ "app": "360", "cmd": "removeAll", "instructorId": "an id string", "classId": "another id" }' 2. System sends ""
Alternative Success Scenarios:	N/A
Postconditions:	System displays "Waiting for Connection"
Business Rules	<ol style="list-style-type: none"> 1. Instructor and class id strings can not be blank 2. Instructor and class id strings must match ones already stored 3. Instructor id string must be a Universally Unique Identifier following the pattern of 8-4-4-12 where each number represents a series of alpa-numeric characters 4. cmd must be "removeAll"
Notes:	This use case is temporary since the Update 360 Client has not yet been designed.
Author:	Lee Barney
Date:	1/2/2016

Name:	
Summary:	
Version:	
Preconditions:	
Triggers:	
Main Success Scenario:	
Alternative Success Scenarios:	
Postconditions:	
Business Rules	
Notes:	
Author:	
Date:	