

## Criterion B: Design

Login System	
Data	Example
<ul style="list-style-type: none"><li>Line 1- Textbox for the username of the client (matches username on the whitelist)</li><li>Line 2- Textbox for the client's password (matches the typed username's password stored in the whitelist)</li></ul>	Line 1- "jwstanly" Line 2- "RealEstatelsFun123"
Location: The GUI will display the textboxes and the interface, but a text file storing the whitelist of accepted usernames and their respective passwords	
Output data <ol style="list-style-type: none"><li>If the submitted username and password match a whitelist value, the user is granted access to the rest of the program</li><li>If the username and password submitted don't match a whitelist value, the user is denied permission to the rest of the program, and the textboxes are cleared for resubmission.</li></ol>	

Login

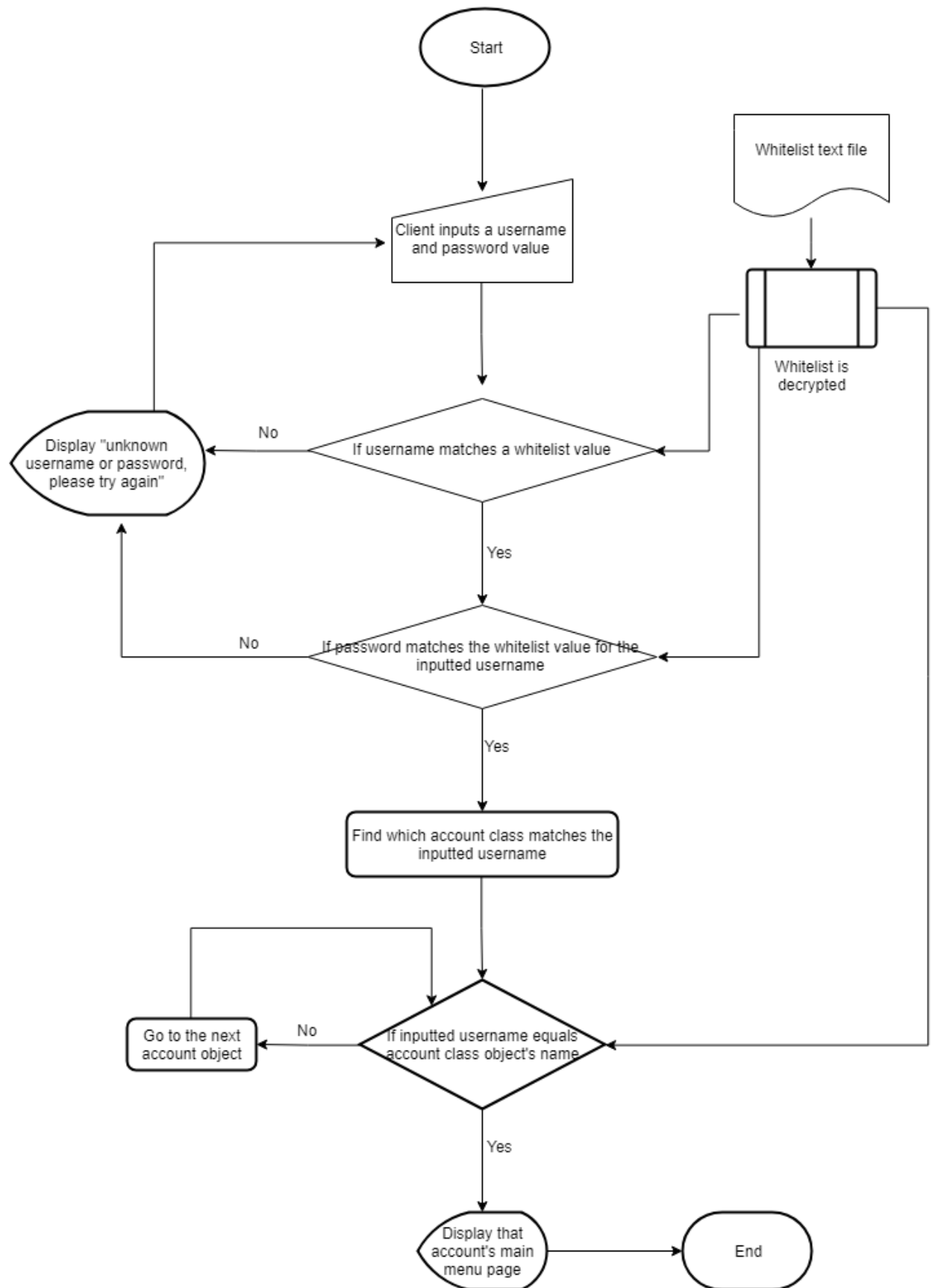
Login to your account

Username

Password

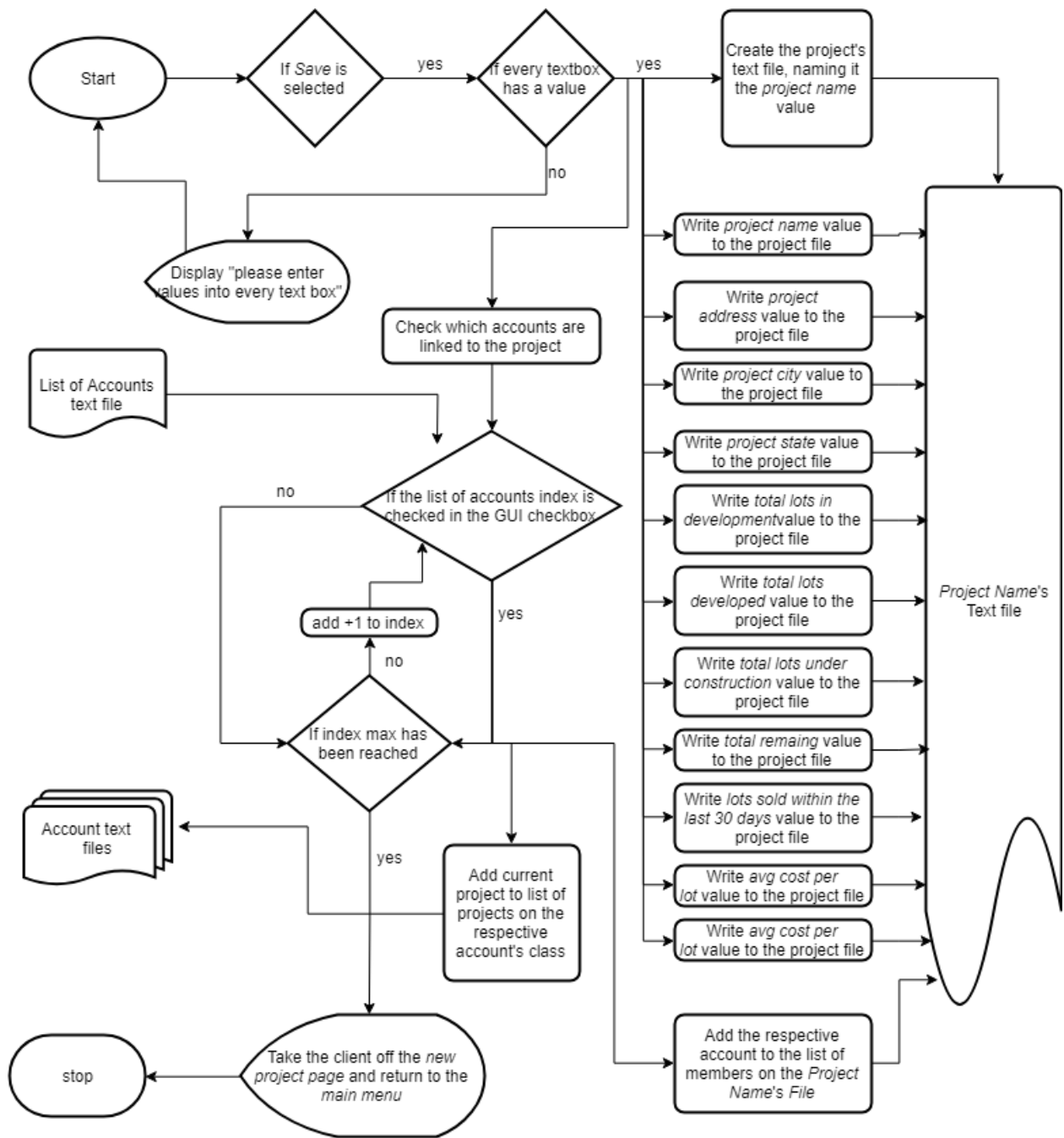
Submit

\*picture\*





New Project Page	
Data	Example
<ul style="list-style-type: none"><li>• Textbox for the name of the new project</li><li>• Textbox for the address of the new project</li><li>• Textbox for the city of the new project</li><li>• Textbox for the state of the new project</li><li>• Textbox for the number of total lots in the new project</li><li>• Radio buttons that select the other clients involved in the project</li><li>• Textbox for the total lots developed to date</li><li>• Textbox for the total lots under construction</li><li>• Textbox for the total lots remaining</li><li>• Textbox for the lots sold within the last 30 days</li><li>• Textbox for the average cost per lot</li><li>• Textbox for the average price per lot</li><li>• Save button</li></ul>	<p>Line 1- "Riverside Oaks"</p> <p>Line 2- "1234 Main Street"</p> <p>Line 3- "Atlanta"</p> <p>Line 4- "Georgia"</p> <p>Line 5- "250"</p> <p>Line 6- "Bill Howell; John Sigma; Benny Newhouse"</p> <p>Line 7- "100"</p> <p>Line 8- "80"</p> <p>Line 9- "70"</p> <p>Line 10- "10"</p> <p>Line 11- "155,000"</p> <p>Line 12- "199,990"</p>
Location: the GUI will display the values, but the program will create a new text file for the new project's values to be stored in.	
<p>Output data</p> <ol style="list-style-type: none"><li>1. Clicking <i>save</i> will store outputs in the project's text file</li><li>2. Clicking on <i>Main Menu (back button)</i> will prompt the user with a conformation popup. If they select yes, then the new project isn't created, and if they select no, they can continue to edit the new project.</li></ol>	
<div><div>Create New Project Page</div><div><div>← Create New Project</div><div><div><div>Project Name: <input type="text"/></div><div>Total lots developed to date: <input type="text"/></div><div>Adress: <input type="text"/></div><div>Total lots under construction: <input type="text"/></div><div>City: <input type="text"/></div><div>Total lots remaining: <input type="text"/></div><div>State: <input type="text"/></div><div>Lots sold within the last 30 days: <input type="text"/></div><div>Total lots in the development: <input type="text"/></div><div>Average cost per lot: \$ <input type="text"/></div><div>Partners Involved:</div><div><div><input type="checkbox"/> sssss</div><div><input type="checkbox"/> sssss</div><div><input type="checkbox"/> sssss</div><div><input type="checkbox"/> sssss</div><div><input type="checkbox"/> sssss</div><div><input type="checkbox"/> sssss</div><div><input type="checkbox"/> sssss</div><div><input type="checkbox"/> sssss</div></div><div><div><input type="checkbox"/> sssss</div><div><input type="checkbox"/> sssss</div><div><input type="checkbox"/> sssss</div><div><input type="checkbox"/> sssss</div><div><input type="checkbox"/> sssss</div><div><input type="checkbox"/> sssss</div><div><input type="checkbox"/> sssss</div><div><input type="checkbox"/> sssss</div></div></div><div><div>Save</div></div></div></div></div>	



Account Settings Page	
Data	Example
<ul style="list-style-type: none"> <li>• Textbox for the name of the client •</li> <li>• Textbox for the specialty of the client.</li> <li>• Area box for the client's biographical information</li> <li>• Textbox for profile photo file directory</li> </ul>	Line 1- "Trip Stanly" Line 2- "Plumber" Line 3- "Member of Eagerton Plumbing Company for 14 years. Proud to be helping build communities." Line 4- "C:\Users\twsta\Pictures\Camera Roll\059.PNG"
Location: The GUI displays this, but inserted information will be stored in the client's account class text file.	
Output data 1. Clicking <i>save</i> will store outputs in the account's class text file	

## Account Name's Account Settings

Name:

Specialty:

Bio:

Profile Photo:

Data Page (Viewing)	
Data	Example
<ul style="list-style-type: none"> <li>• Text of project's address ("sssss") in a string</li> <li>• Text of project's city ("sssss") in a string</li> <li>• Text of project's state ("sssss") in a string</li> <li>• Text of project's total lots ("xx") in an integer</li> </ul>	Line 1- "1234 Main Street" Line 2- "Atlanta" Line 3- "Georgia" Line 4- "250" Line 5- "100 (%40.0)" Line 6- "80 (%32.0)"
<ul style="list-style-type: none"> <li>• Text of project's total lots developed to date ("xx") in an integer, and the percentage to the total lots in development as a double ("yy.yy")</li> <li>• Text of project's total lots under construction ("xx") in an integer, and the percentage to the total lots in development as a double ("yy.yy")</li> <li>• Text of project's total lots remaining ("xx") in an integer, and the percentage to the total lots in development as a double ("yy.yy")</li> <li>• Text of the project's lots sold within he last 30 days ("xx") in an integer</li> <li>• Text of the project's project sellout ("xx") in an integer representing a number of months</li> <li>• Text of the project's average cost per lot ("yy.yy") in a double</li> <li>• Text of the project's average price per lot ("yy.yy") in a double</li> <li>• Text of the project's total remaining revenue ("yy.yy") in a double</li> <li>• Text of the project's projected remaining profit ("yy.yy") in a double</li> <li>• Text of the client's profit allocation ("yy.yy") in a double</li> </ul>	Line 7- "70 (%28.0)" Line 8- "10" Line 9- "7 months" Line 10- "\$155,000" Line 11- "\$199,990" Line 12- "\$5,388,000" Line 13- "\$349,000" Line 14- "\$26,750"
Location: The GUI displays this	
Output data <ol style="list-style-type: none"> <li>1. Clicking <i>Edit</i> will allow the user to edit these values on the <i>Edit Data Project Page</i></li> <li>2. Clicking on <i>Agenda</i>, <i>Comments</i>, or <i>Main Menu (back button)</i> takes them to their pages</li> </ol>	

Project Page Data

← *Project Name*

Data

Agenda

Comments

Address: sssss

City: sssss

State: sssss

Total lots in development: xx

Total lots developed to date: xx (%yy.yy)

Total lots under construction: xx (%yy.yy)

Total lots remaining: xx (%yy.yy)

Lots sold within the last 30 days: xx

Projected sellout: xx

Average cost per lot: \$yy.yy

Average price per lot: \$yy.yy

Total remaining revenue: \$yy.yy

Projected remaining profit: \$yy.yy

Profit allocation for client: \$yy.yy

Edit

Data Page (Editing)	
Data	Example
<ul style="list-style-type: none"> <li>Textbox for the project's total lots developed to date</li> <li>Textbox for the project's total lots under construction</li> <li>Textbox for the project's total lots remaining</li> <li>Textbox for the project's lots sold within the last 30 days</li> <li>Textbox for the project's average cost per lot</li> <li>Textbox for the project's average price per lot</li> </ul>	Line 1- "100" Line 2- "80" Line 3- "70" Line 4- "10" Line 5- "\$155,000" Line 6- "\$199,990"
Location: The GUI displays this, but the data values inputted are updated inside the project's text file upon clicking <i>Save</i> .	
Output data <ol style="list-style-type: none"> <li>Clicking <i>save</i> will allow the user to update these values inside the project's text file, and will display the <i>project data viewing page</i> after doing so.</li> <li>Clicking on <i>Agenda</i>, <i>Comments</i>, or <i>Main Menu (back button)</i> will prompt the user to confirm their decision with a popup. If the user says yes, the inputted data is <b>not</b> saved and they are taken to the respective menu. If no, then the user remains on the data editing page.</li> </ol>	



Project Page Data

← *Project Name*

Data

Agenda

Comments

Total lots developed to date:

Total lots under construction:

Total lots remaining:

Lots sold within the last 30 days:

Average cost per lot: \$

Average price per lot: \$

Save

Project Agenda Page	
Data	Example
<ul style="list-style-type: none"> <li>List of event dates chronologically ("mm/dd/yyyy")</li> <li>List of event titles chronologically stored in a string ("sssss")</li> <li>List of event descriptions chronologically stored in a string ("sssss")</li> <li>Dropdown menu to select date of a new event</li> <li>Textbox for the new event's title</li> <li>Textbox for the new event's description</li> </ul>	Line 1- "10/29/2018" Line 2- "Property Inspection" Line 3- "The inspectors will be following up on flaws discovered in the structural engineering. Everyone dress up for the occasion." Line 4- "11/4/2018" Line 5- "Plumbers Coming" Line 6- "Coming in to install pipes on lots 33-48"
Location: The GUI displays this, but the data values inputted for a new event are updated inside the project's text file upon clicking <i>Submit</i> .	
Output data <ol style="list-style-type: none"> <li>Clicking <i>Submit</i> will allow the user to update these values inside the project's text file, and will display the new event on the list.</li> <li>Clicking on <i>Data</i>, <i>Comments</i>, or <i>Main Menu (back button)</i> will prompt the user to confirm their decision with a popup, if they have started creating a new event without clicking <i>Submit</i>. If the user says yes, the inputted data is <b>not</b> saved into a new event and they are taken to the respective menu. If no, then the user remains on the <i>agenda</i> page.</li> </ol>	

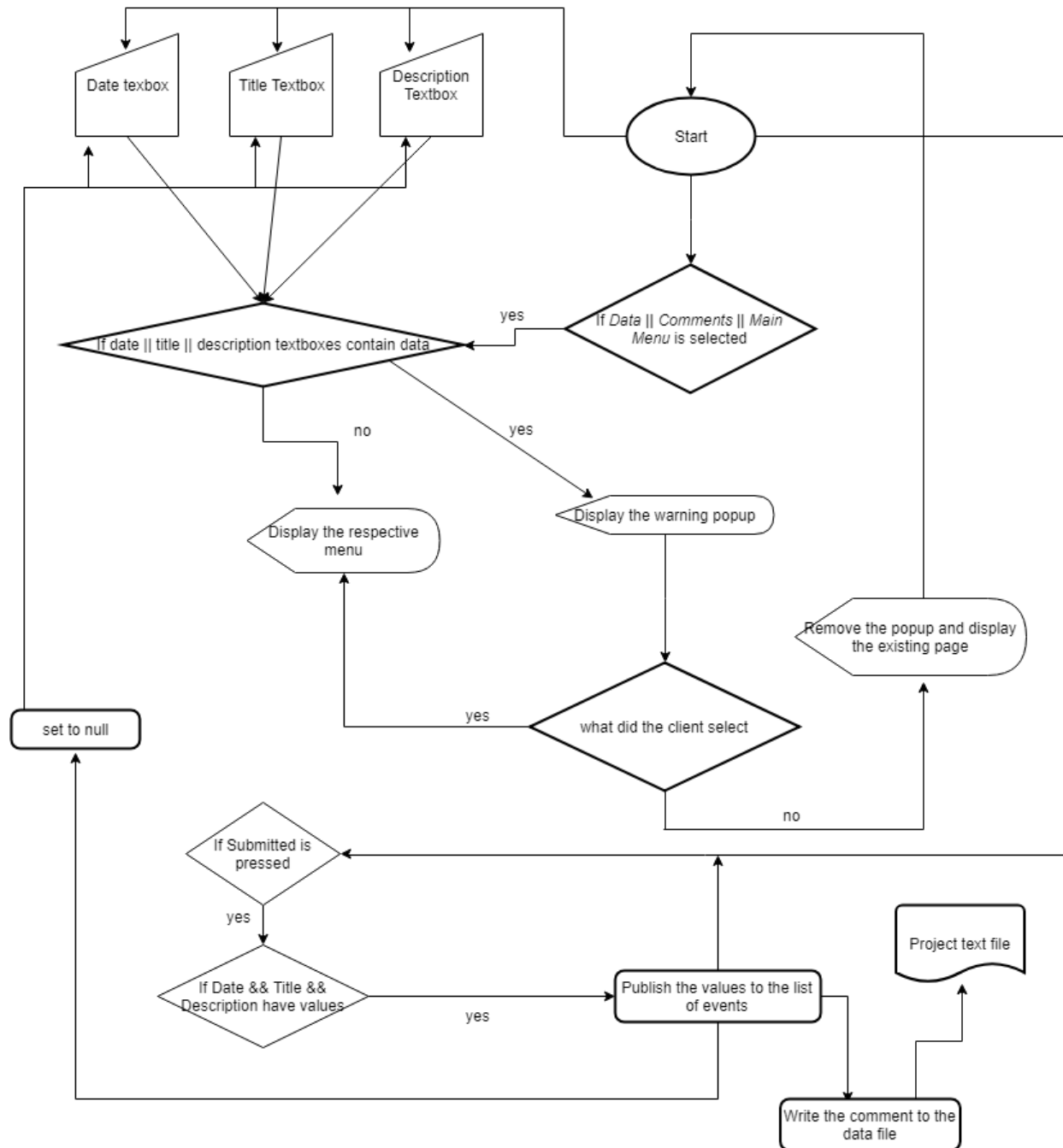
## ← *Project Name*

Data	Agenda	Comments
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Date	Title	Description
mm/dd/yyyy	sssss	sssss
mm/dd/yyyy	sssss	sssss
mm/dd/yyyy	sssss	sssss
mm/dd/yyyy	sssss	sssss
mm/dd/yyyy	sssss	sssss
mm/dd/yyyy	sssss	sssss

### *New Event*

Date	Title	Description	
<input type="text" value="v"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Submit"/>



Project Comments Page	
Data	Example
<ul style="list-style-type: none"> <li>List of profile photos (“pp”) stored in images adjacent to their respective commenters</li> <li>List of commenters stored in a string (“sssss”) adjacent to their respective comment</li> <li>List of comments stored in a string (“sssss”) adjacent to their respective commenters</li> <li>Text area for clients to make new comments</li> <li>Button <i>Post</i> to allow clients to post their new comments</li> </ul>	Line 1- <i>[Image.PNG]</i> Line 2- “Bill Young” Line 3- “Property looked hideous today... we really need to call a cleanup crew in” Line 4- “I agree. I’ll call William later today.”
Location: The GUI displays this, but the data values inputted for a new comment are updated inside the project’s text file upon clicking <i>Post</i> .	
Output data <ol style="list-style-type: none"> <li>Clicking <i>Post</i> will allow the user to update these values inside the project’s text file, and will display the new comment on the page.</li> <li>Clicking on <i>Data</i>, <i>Agenda</i>, or <i>Main Menu (back button)</i> will prompt the user to confirm their decision with a popup, if they have started creating a new comment without clicking <i>Post</i>. If the user says yes, the inputted data is <b>not</b> saved into a new comment and they are taken to the respective menu. If no, then the user remains on the <i>comments</i> page.</li> </ol>	

Project Page Comments

← Project Name

Data

Agenda

Comments

Commentor

Comment

pp

sssss

sssss

pp

sssss

sssss

pp

sssss

sssss

pp

sssss

sssss

pp

sssss

sssss

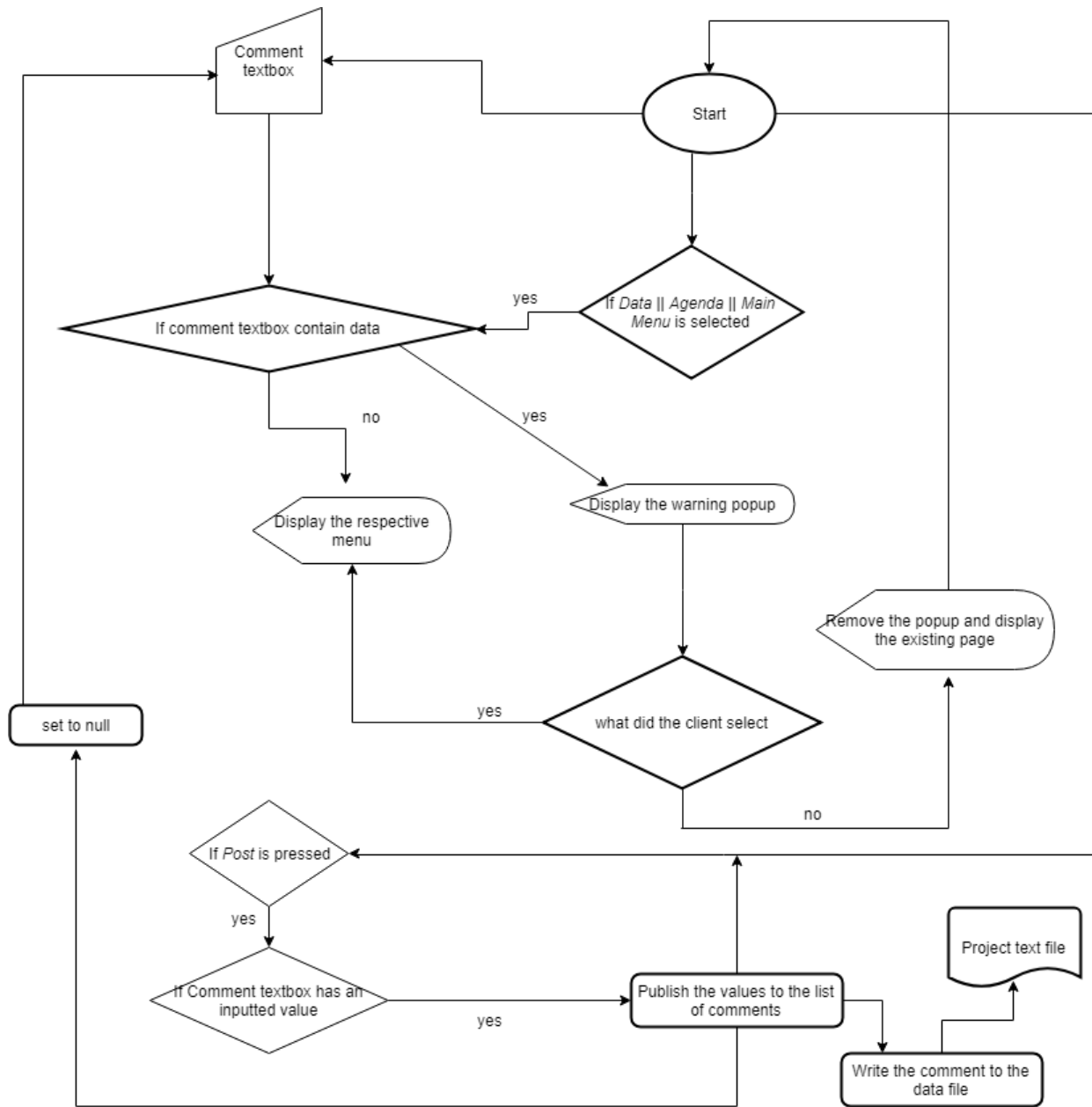
pp

sssss

sssss

New Comment:

Post



Project Problems Page	
Data	Example
<ul style="list-style-type: none"> <li>Table of problem values that contain the problems, descriptions, and priority</li> <li>Text fields for each of the three parameters listed above</li> <li>Add button</li> </ul>	Line 1- "Fix the plumbing" Line 2- "Property looked hideous today... we really need to call a plumber crew in" Line 3- "4" (out of 5)
Location: The GUI displays this, but the data values inputted for a new problem are updated inside the project's problem text file upon clicking <i>Post</i> .	
Output data <ol style="list-style-type: none"> <li>Clicking <i>Add</i> will allow the user to update these values inside the project's text file, and will display the new comment on the page.</li> <li>Clicking on <i>Data, Agenda, Comments, or Main Menu (back button)</i> will prompt the user to confirm their decision with a popup, if they have started creating a new comment without clicking <i>Post</i>. If the user says yes, the inputted data is <b>not</b> saved into a new comment and they are taken to the respective menu. If no, then the user remains on the <i>comments</i> page.</li> </ol>	

## Test Plan

<u>Action to be tested</u>	<u>Test method</u>
Allow certain users access to their accounts while rejecting unknown users	Input 4 different combinations of usernames and passwords (both correct, username correct, password correct, neither correct) to see if the program only allows the first scenario.
The client can view a menu of their current projects	Ensure that client, based on their account class, can only view objects of the project class if they were previously tagged. Create a diagram to track which clients are allowed access to which projects, and log into each of their accounts to see if the correct list appears.
The client can create new projects and share them to other coworkers/clients	The <i>New Project Page</i> will allow users to properly input data points, which will be stored in the project's text file. Additionally, the client will tag others, and its connection will be verified by logging into the other client's account to see if it appears on their list of projects.
The program can input data values and store them to the respective project	The <i>Edit Project Data</i> page effectively allows for data types to be entered and stored into the project's data file. Additionally, the page will report errors if incorrect forms of data are submitted (like inserting a double like 15.5 for total lots which uses int's).
The program can log comments inputted from different coworkers/clients	Various inputs will be tested to see if the comment board holds up. Additionally, multiple clients will logon to verify if all comments appear across all accounts.
The program can log events inputted from different coworkers/clients	Various inputs will be tested to see if the agenda holds up. Additionally, multiple clients will logon to verify if all events appear across all accounts.

Words: 286