**דו"ח 2: Botalks Project**

**צוות פרויקט:**

* **אורן כהן – ת.ז 305164295**
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הפרויקט מורכב מ - 3 קבוצות, כל קבוצה אחראית על תת פרויקט משלה.

החלק שלנו הוא ליצור IVR BUILDER, שאמור להוות חלק מה – Web Application של המוצר.

IVR builder - אמור לתת פתרון לבנית תרשים דינאמי, עבור מענה קולי אינטראקטיבי.

* אבני הדרך שלנו בפרויקט:

1. fix GUI - make the window bigger/scrollable -DONE
2. print/save document -DONE
3. add edit options (perhaps make it dynamic!) -DONE
4. make DS for Operators -DONE
5. Drag and drop -DONE
6. save flowchart on server.
7. again - make GUI better (colors, size, scrollable) -inProg
8. make a pop up, for edit NODE on the Flowchart. -DONE
9. integrate with SIP (Session Initiation Protocol) team -DONE
10. final bug fix, and integrate
11. add more properties to Operators -DONE

(return\_type, msg. and more.)

1. Binding between the "save" button in the pop up with -DONE

the operator.

1. Create Different types of Operators. -DONE

* פערי ביצוע מול תכנון:
* קיים חוסר ידע עבור שימוש בצד שרת.
* שיפור העיצוב לתצוגה, תמיכה בקונסולות שונות (PC/mobile).
* תגובות מתוכננות לפערים:
* לאחר ישיבה עם אחראי הפרויקט, נבדק על ידם פתרון לבעיה.
* זמן.. לשבת על bootstrap ולהבין איך לתקן את זה.
* פירוט שעות עבודה:

14/11/18 - 3 hours:  
- First appointment with the project leaders and the other teams.

21/11/18 - 7 hours:  
- Receive our part in the project - IVR Builder.  
- Build the first milestones and start build a basic  
- implementation (Html, CSS, Bootstrap, js, JQuery)  
- Add things like: drag&drop, data structure for the Flowchart operators and more.

6/12/18 - 4 hours:  
- Continue with basic implementation, seems like we will need another solution for our problem!  
-back to search for a better code.

9/12/18 - 5 hours:  
-find basic tool/package to start work with. found: <https://github.com/sdrdis/jquery.flowchart>  
- try to understand this 2000+ lines of code. (difficult)

13/12/18 - 2 hours:  
- meeting with our projects leaders about the drag and drop issue.  
- still doesn't work, but we have achieved some progress with the flow chart.

27/12/18 - 5 hours:  
-fixing bugs!   
- create Nodes (flowchart boxes) and connect them (with links).  
- naive print (works only on 1 links per Node) - need to improve it (perhaps should be saved on server)

9/1/19 - 9 hours:  
- add more functions to flowchart.js that will serve as later (print, create dictionaries, and more).  
- add options to edit  
- Drag and Drop (finally!!!)

#########  
exams!   
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27/2/19 - 4 hours:  
- create data structure (tree) - with all elements/operators of the Flowchart and try to print on console.

3/3/19 - 4/3/09 - 12 hours:  
- changed the data structure! the tree was bad -> dictionary of operators!  
- convert the DS to printable text.  
- start the POP-UP mission (for editing dynamically the properties of Operators of Flowchart)

24/03/19 - 6 hours:

- add more properties to data in each Operator

- make it editable

- each properties can be blocked or not (visual block)

28/03/19 - 6 hours:

- make more Operators: Play, Logic, Operator. and for each OP make unique properties (as required!)

- create individual CSS for each of them

- start build a platform for dependencies injection (shape/css/content at Run time for each Op)

14/04/19 - 9 hours:

- create beautiful pop-up

- data binding (now works only from one side, Operator -> pop-up!)

21/04/19 - 10 hours:

- binding pop-up with operator.

- make edit button for edit properties of op.

- design updated - more colorful.

- API for output of flowchart (with Gal - tseam sip service)