

## Botalks Project :2 דו"ח

### צוות פרויקט:

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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 לבניית 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. <b>save flowchart on server.</b>                                       |         |
| 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. <b>final bug fix, and integrate</b>                                   |         |
| 11. add more properties to Operators<br>(return_type, msg. and more.)     | -DONE   |
| 12. Binding between the "save" button in the pop up with<br>the operator. | -DONE   |
| 13. 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)