* **We need to add a button at the start, one is called conventions, we will add text when someone click on this button**
* **Next to each of the below components, we need a help button, so people can click on it for text explanation**
* **Users should be able to select whether the below measurements are for pretreatment or posttreatment**

**Sections 1: Anterior crowding (its value is equal to A+B, let us call it C)**

1. **Upper anterior segment crowding: it consists of two sub-parts**

* Right section which consists of three parts. Each part has 5 options top select. Each option would be given a score by software from 0 to 5
* Left section which consists of three parts. Each part has 5 options top select. Each option would be given a score by software from 0 to 5

The total score of right and left sections would be added up (Let us call it A).

1. **Lower anterior segment crowding: it consists of two sub-parts**

* Right section which consists of three parts. Each part has 5 options top select. Each option would be given a score by software from 0 to 5
* Left section which consists of three parts. Each part has 5 options top select. Each option would be given a score by software from 0 to 5

The total score of right and left sections would be added up (Let us call it B).

**Sections 2: buccal occlusion (its value is equal to D+E, let us call it F)**

1. **Right buccal occlusion has three sub-parts:**

* Antero-Posterior: three options to select, each option would be given a score by the software
* Vertical: two options to select, each option would be given a score by the software
* Transverse: five options to select, each option would be given a score by the software

Total score would be added up (Let us call it D).

1. **Left buccal occlusion has three sub-parts:**

* Antero-Posterior: three options to select, each option would be given a score by the software
* Vertical: two options to select, each option would be given a score by the software
* Transverse: five options to select, each option would be given a score by the software

Total score would be added up (Let us call it E).

**Sections 3: Anterior occlusion (its value is equal to G+H multiplied by 6, let us call it I)**

1. **Positive overjet**

* Five option and software will give a score of 0-4 for a selected option.
* Total score would be added up (Let us call it G).

1. **Positive overjet**

* Five option and software will give a score of 0-4 for a selected option.
* Total score would be added up (Let us call it H).

**Sections 4: Anterior occlusion (its value is equal to J+K multiplied by 2, let us call it L)**

1. **Positive overbite**

* Five option and software will give a score of 0-4 for a selected option.
* Total score would be added up (Let us call it J).

1. **Negartive overbite**

* Four option and software will give a score of 0-3 for a selected option.
* Total score would be added up (Let us call it K).

**Sections 5: Midline (its value is equal to M multiplied by 4, let us call it N)**

* Three option and software will give a score of 0-3 for a selected option.
* Total score would be added up (Let us call it M).

How the result should be presented to the users?

* Total pretreatment PAR value is the sum of the values of sections 1-5 (C+F+I+L+N) let us call it P1
* Total posttreatment PAR value is the sum of the values of sections 1-5 (C+F+I+L+N) let us call it P2
* Point based treatment changes: P1-P2 (if it is more than 22 then “great improvement” text should be written next to the value)
* PAR percentage changes: P2-P1/P1 (if it is equal or more than 70% then “great improvement” text should be written next to the value, if it is between 30-70% then then “improvement” text should be written next to the value, if it is less than 30% then then “worse or no improvement” text should be written next to the value
* PAR nomogram: The treatment change would be plotted on a standard graph using P1 and P2.

