

Bhaiya Cheese Maggi

✓ Completed	✓
🕒 Created	@May 24, 2020 10:44 PM
☰ Notes	Presentation, for the Idea and Work Done, to be considered as Proof of Concept
🔖 Tags	WebDev

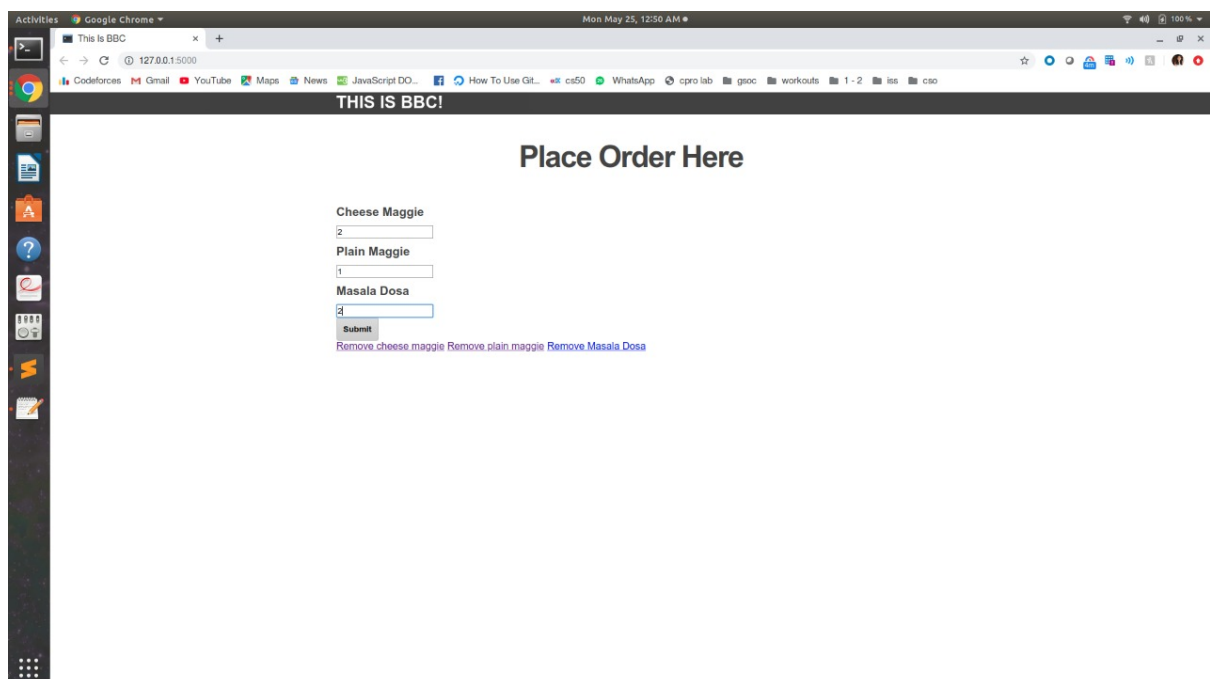
Introduction

This is a simple **token based web-app** with a potential to become a native application for Android and iOS.

What we have done?

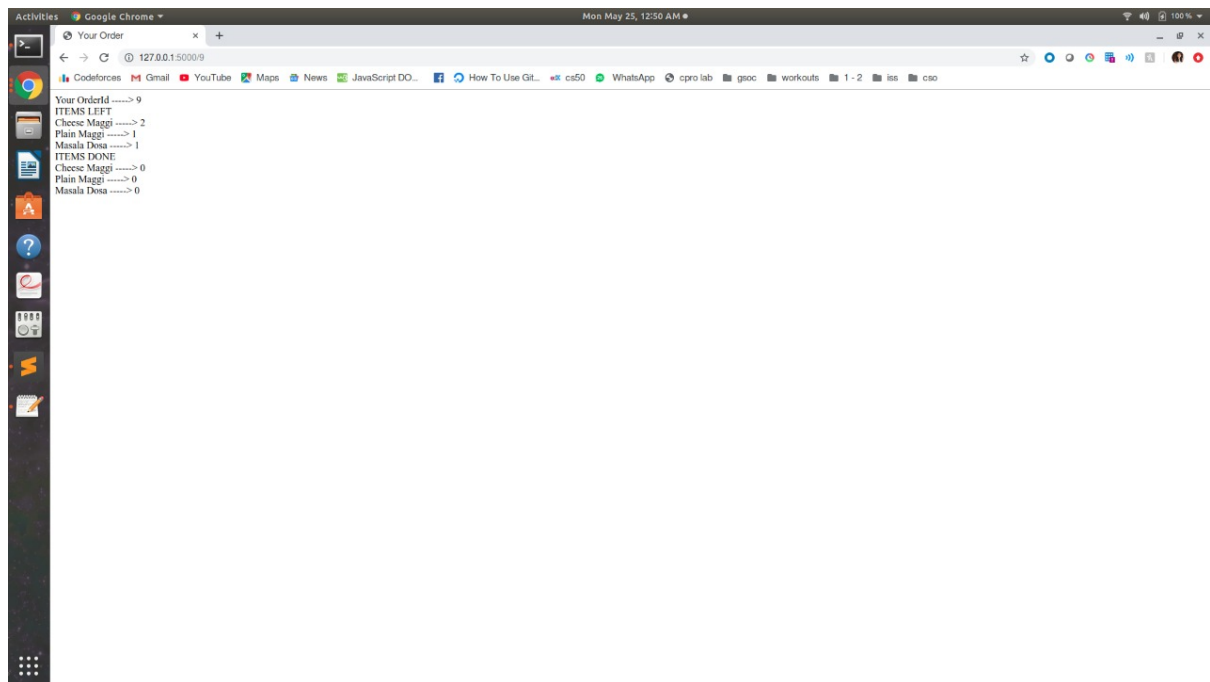
Here, we have created an app that takes your **order** for BBC Canteen and yields a database accessible to the **admin** which is potentially the Canteen Counter.

Instead of having a chaotic situation, this app permits the customers to order food in a easy and sophisticated way and helps in maintaining a clean record of services and items to be delivered for the admin.



The above provides the idea regarding the basic implementation of the supposed web-app. It is quite intuitive for the purpose of placing orders and the result of such orders is the formation of an extensive database.

Further build-ups can be easily implemented to make the front-end look far more attractive like the Login Page prototype provided under the Prototypes section.



Why to use this app?

The purpose of this web-app is to form a token based service for the **often crowded BBC Canteen** of IIIT-H.

Getting food at BBC can become tiresome sometimes. Often we are stuck with a communication problem in midst of ordering. Even though her shouting "Bhaiya Cheese Maggi" works, it often causes a lot of confusion and commotion.

What we plan to achieve is a **simple token-based service** which **prevents** such confusion and commotion and **notifies** the person who ordered the respective dish when it is ready.

Further efforts as to make sure that the person has made payment for the food he has order **can be implemented** as to prevent occurrence of such confusions.

Pros:

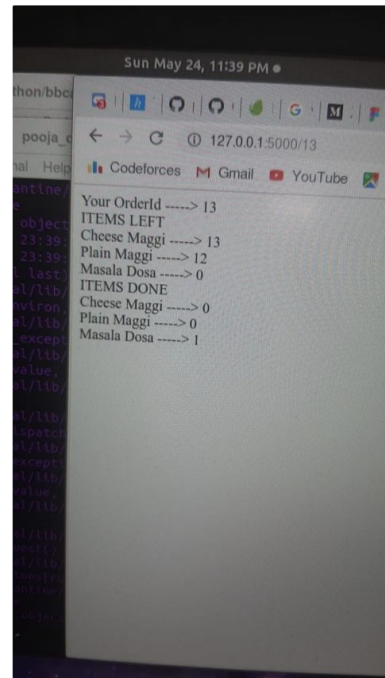
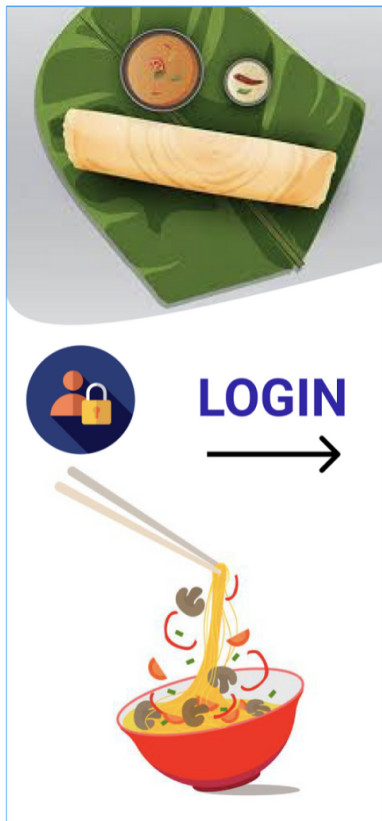
- *Faster service at BBC* - After all, who doesn't want their Paneer Cheese Dosa and Cheese Maggi faster?
- *Avoiding Commotion* - No, you don't have to shout "Aunty ho gaya kya" every time. Chill out and relax with your friends. Or, maybe approach that guy/girl you have had always liked and make conversations with him/her.
- *Make life easier* - There cannot be any doubt that if this project is developed upon further (based on the prototypes laid upon by us), it would make life a lot easier for the workers at BBC Canteen. No more they have to ponder upon and be overwhelmed at the sheer volume of orders being placed, orders being cancelled and orders being changed. After their service of providing us with food, day after day, don't we owe it to them?
- *Avoiding Confusion* - No more confusions about who ordered first and whose dish it is. The proper tokenised system that we provide here as a solution solves all these problems and makes a hell lot of difference in your mood for the day. After all it is the small things that matter most in life.

Cons:

- **Did you find any at all?**

We have tried our best to provide a foolproof basic solution. It lacks some integrations that we would like to make later as mentioned above which will make this system not just awesome but amazing and cater very much to our beloved Cheese Maggi and Masala Dosas.

Prototypes



This shows the initial working state of the database system.

Major Implementation

- Use of Flask as framework and SQLAlchemy for the database

```

forms.py
1 from flask_wtf import FlaskForm
2 from wtforms import StringField, TextField,
  SubmitField, IntegerField
3 # from flask.ext.wtf import validators, ValidationError
4 from wtforms.validators import DataRequired, Length,
  NumberRange, Optional
5
6
7 class OrderForm(FlaskForm):
8     """Contact form."""
9     cheeseMaggie = IntegerField('Cheese Maggie',
10     [NumberRange(
11     min=0, message="please enter only positive
12     values!")])
13     plainMaggie = IntegerField('Plain Maggie',
14     [NumberRange(
15     min=0, message="please enter only positive
16     values!")])
17     masalaDosa = IntegerField('Masala Dosa',
18     [NumberRange(
19     min=0, message="please enter only positive
20     values!")])
21
22     submit = SubmitField('Submit')
23
24
app.py
1
2 _SECRET_KEY = os.urandom(32)
3 app.config['SECRET_KEY'] = _SECRET_KEY
4 app.config['SQLALCHEMY_DATABASE_URI'] =
5     'sqlite:///data/order.db'
6 db = SQLAlchemy(app)
7
8
9 class CMaggi(db.Model):
10     id = db.Column(db.Integer, primary_key=True,
11     autoincrement=False)
12     count = db.Column(db.Integer, nullable=False)
13     done = db.Column(db.Integer, nullable=False)
14
15     def __init__(self, id, count, done=0):
16         self.id = id
17         self.count = count
18         self.done = done
19
20
21 class PMaggi(db.Model):
22     id = db.Column(db.Integer, primary_key=True,
23     autoincrement=False)
24     count = db.Column(db.Integer, nullable=False)
25     done = db.Column(db.Integer, nullable=False)
26
27     def __init__(self, id, count, done=0):
28         self.id = id
29         self.count = count
30         self.done = done
31
32

```

- **Simple UI** (can be easily modified further) with the help of HTML, CSS and JS

```

1  body {
2      position: relative;
3      width: 375px;
4      height: 812px;
5
6      background: #FFFFFF;
7  }
8
9  /* Login */
10
11  .login {
12      position: absolute;
13      width: 222px;
14      height: 64px;
15      left: 153px;
16      top: 358px;
17
18      font-family: Roboto;
19      font-style: normal;
20      font-weight: bold;
21      font-size: 52px;
22      line-height: 61px;
23      text-align: center;
24
25      color: #3521AB;
26  }
27
28  .logo {
29      position: absolute;
30      width: 147px;
31      height: 108px;
32      left: 0px;
33      top: 336px;
34
35      background: url(login.png);
36  }
37
38  /* Images on top and below */
39

```

Associated Implementations

- Codebase for Android and iOS implementations of the web-page

```

115  var view = findViewById<View>()
116  view.frame = CGRectMake(0, 0, width: 375, height: 812)
117  view.backgroundColor = UIColor.white
118
119  let login = UIImageView(named: "login.png")?.cgImage
120  let login = CALayer()
121  login.contents = login
122  login.transform = CGAffineTransformMakeAffineTransform(CGAffineTransform(a: 0.75, b: 0, c: 0, d: 1, tx: 0.13, ty: 0))
123  login.bounds = view.bounds
124  login.position = view.center
125  view.layer.addSublayer(login)
126
127
128  var parent = self.view!
129  parent.addSubview(login)
130  login.translatesAutoresizingMaskIntoConstraints = false
131  login.leadingAnchor.constraint(equalTo: parent.leadingAnchor, constant: 153, isActive: true)
132  login.trailingAnchor.constraint(equalTo: parent.trailingAnchor, constant: 153, isActive: true)
133  login.topAnchor.constraint(equalTo: parent.topAnchor, constant: 358, isActive: true)
134  login.bottomAnchor.constraint(equalTo: parent.bottomAnchor, constant: 358, isActive: true)
135
136  // login 1
137
138  var view = UIImageView()
139  view.frame = CGRectMake(0, 0, width: 375, height: 375)
140  view.backgroundColor = UIColor.white
141
142  let login = UIImageView(named: "login.png")?.cgImage
143  let login = CALayer()
144  login.contents = login
145  login.transform = CGAffineTransformMakeAffineTransform(CGAffineTransform(a: 1.01, b: 0, c: 0, d: 1, tx: -0.01, ty: 0))
146  login.bounds = view.bounds
147  login.position = view.center
148  view.layer.addSublayer(login)
149
150
151  var parent = self.view!
152  parent.addSubview(login)
153  login.translatesAutoresizingMaskIntoConstraints = false
154  login.leadingAnchor.constraint(equalTo: parent.leadingAnchor, constant: 153, isActive: true)
155  login.trailingAnchor.constraint(equalTo: parent.trailingAnchor, constant: 153, isActive: true)
156  login.topAnchor.constraint(equalTo: parent.topAnchor, constant: 358, isActive: true)
157  login.bottomAnchor.constraint(equalTo: parent.bottomAnchor, constant: 358, isActive: true)
158

```

```

245
246
247  @group
248  @clip-path
249  @clip-path
250  @clip-path
251  @clip-path
252  @clip-path
253  @clip-path
254  @clip-path
255  @clip-path
256  @clip-path
257  @clip-path
258  @clip-path
259  @clip-path
260  @clip-path
261  @clip-path
262  @clip-path
263  @clip-path
264  @clip-path
265  @clip-path
266  @clip-path
267  @clip-path
268  @clip-path
269  @clip-path
270  @clip-path
271  @clip-path
272  @clip-path
273  @clip-path
274  @clip-path
275  @clip-path
276  @clip-path
277  @clip-path
278  @clip-path
279  @clip-path
280  @clip-path
281  @clip-path
282  @clip-path
283  @clip-path
284  @clip-path
285  @clip-path
286  @clip-path
287  @clip-path
288  @clip-path
289  @clip-path
290  @clip-path
291  @clip-path
292  @clip-path
293  @clip-path
294  @clip-path
295  @clip-path
296  @clip-path
297  @clip-path
298  @clip-path
299  @clip-path
300  @clip-path
301  @clip-path
302  @clip-path
303  @clip-path
304  @clip-path
305  @clip-path
306  @clip-path
307  @clip-path
308  @clip-path
309  @clip-path
310  @clip-path
311  @clip-path
312  @clip-path
313  @clip-path
314  @clip-path
315  @clip-path
316  @clip-path
317  @clip-path
318  @clip-path
319  @clip-path
320  @clip-path
321  @clip-path
322  @clip-path
323  @clip-path
324  @clip-path
325  @clip-path
326  @clip-path
327  @clip-path
328  @clip-path
329  @clip-path
330  @clip-path
331  @clip-path
332  @clip-path
333  @clip-path
334  @clip-path
335  @clip-path
336  @clip-path
337  @clip-path
338  @clip-path
339  @clip-path
340  @clip-path
341  @clip-path
342  @clip-path
343  @clip-path
344  @clip-path
345  @clip-path
346  @clip-path
347  @clip-path
348  @clip-path
349  @clip-path
350  @clip-path
351  @clip-path
352  @clip-path
353  @clip-path
354  @clip-path
355  @clip-path
356  @clip-path
357  @clip-path
358  @clip-path
359  @clip-path
360  @clip-path
361  @clip-path
362  @clip-path
363  @clip-path
364  @clip-path
365  @clip-path
366  @clip-path
367  @clip-path
368  @clip-path
369  @clip-path
370  @clip-path
371  @clip-path
372  @clip-path
373  @clip-path
374  @clip-path
375  @clip-path
376  @clip-path
377  @clip-path
378  @clip-path
379  @clip-path
380  @clip-path
381  @clip-path
382  @clip-path
383  @clip-path
384  @clip-path
385  @clip-path
386  @clip-path
387  @clip-path
388  @clip-path
389  @clip-path
390  @clip-path
391  @clip-path
392  @clip-path
393  @clip-path
394  @clip-path
395  @clip-path
396  @clip-path
397  @clip-path
398  @clip-path
399  @clip-path
400  @clip-path
401  @clip-path
402  @clip-path
403  @clip-path
404  @clip-path
405  @clip-path
406  @clip-path
407  @clip-path
408  @clip-path
409  @clip-path
410  @clip-path
411  @clip-path
412  @clip-path
413  @clip-path
414  @clip-path
415  @clip-path
416  @clip-path
417  @clip-path
418  @clip-path
419  @clip-path
420  @clip-path
421  @clip-path
422  @clip-path
423  @clip-path
424  @clip-path
425  @clip-path
426  @clip-path
427  @clip-path
428  @clip-path
429  @clip-path
430  @clip-path
431  @clip-path
432  @clip-path
433  @clip-path
434  @clip-path
435  @clip-path
436  @clip-path
437  @clip-path
438  @clip-path
439  @clip-path
440  @clip-path
441  @clip-path
442  @clip-path
443  @clip-path
444  @clip-path
445  @clip-path
446  @clip-path
447  @clip-path
448  @clip-path
449  @clip-path
450  @clip-path
451  @clip-path
452  @clip-path
453  @clip-path
454  @clip-path
455  @clip-path
456  @clip-path
457  @clip-path
458  @clip-path
459  @clip-path
460  @clip-path
461  @clip-path
462  @clip-path
463  @clip-path
464  @clip-path
465  @clip-path
466  @clip-path
467  @clip-path
468  @clip-path
469  @clip-path
470  @clip-path
471  @clip-path
472  @clip-path
473  @clip-path
474  @clip-path
475  @clip-path
476  @clip-path
477  @clip-path
478  @clip-path
479  @clip-path
480  @clip-path
481  @clip-path
482  @clip-path
483  @clip-path
484  @clip-path
485  @clip-path
486  @clip-path
487  @clip-path
488  @clip-path
489  @clip-path
490  @clip-path
491  @clip-path
492  @clip-path
493  @clip-path
494  @clip-path
495  @clip-path
496  @clip-path
497  @clip-path
498  @clip-path
499  @clip-path
500  @clip-path
501  @clip-path
502  @clip-path
503  @clip-path
504  @clip-path
505  @clip-path
506  @clip-path
507  @clip-path
508  @clip-path
509  @clip-path
510  @clip-path
511  @clip-path
512  @clip-path
513  @clip-path
514  @clip-path
515  @clip-path
516  @clip-path
517  @clip-path
518  @clip-path
519  @clip-path
520  @clip-path
521  @clip-path
522  @clip-path
523  @clip-path
524  @clip-path
525  @clip-path
526  @clip-path
527  @clip-path
528  @clip-path
529  @clip-path
530  @clip-path
531  @clip-path
532  @clip-path
533  @clip-path
534  @clip-path
535  @clip-path
536  @clip-path
537  @clip-path
538  @clip-path
539  @clip-path
540  @clip-path
541  @clip-path
542  @clip-path
543  @clip-path
544  @clip-path
545  @clip-path
546  @clip-path
547  @clip-path
548  @clip-path
549  @clip-path
550  @clip-path
551  @clip-path
552  @clip-path
553  @clip-path
554  @clip-path
555  @clip-path
556  @clip-path
557  @clip-path
558  @clip-path
559  @clip-path
560  @clip-path
561  @clip-path
562  @clip-path
563  @clip-path
564  @clip-path
565  @clip-path
566  @clip-path
567  @clip-path
568  @clip-path
569  @clip-path
570  @clip-path
571  @clip-path
572  @clip-path
573  @clip-path
574  @clip-path
575  @clip-path
576  @clip-path
577  @clip-path
578  @clip-path
579  @clip-path
580  @clip-path
581  @clip-path
582  @clip-path
583  @clip-path
584  @clip-path
585  @clip-path
586  @clip-path
587  @clip-path
588  @clip-path
589  @clip-path
590  @clip-path
591  @clip-path
592  @clip-path
593  @clip-path
594  @clip-path
595  @clip-path
596  @clip-path
597  @clip-path
598  @clip-path
599  @clip-path
600  @clip-path
601  @clip-path
602  @clip-path
603  @clip-path
604  @clip-path
605  @clip-path
606  @clip-path
607  @clip-path
608  @clip-path
609  @clip-path
610  @clip-path
611  @clip-path
612  @clip-path
613  @clip-path
614  @clip-path
615  @clip-path
616  @clip-path
617  @clip-path
618  @clip-path
619  @clip-path
620  @clip-path
621  @clip-path
622  @clip-path
623  @clip-path
624  @clip-path
625  @clip-path
626  @clip-path
627  @clip-path
628  @clip-path
629  @clip-path
630  @clip-path
631  @clip-path
632  @clip-path
633  @clip-path
634  @clip-path
635  @clip-path
636  @clip-path
637  @clip-path
638  @clip-path
639  @clip-path
640  @clip-path
641  @clip-path
642  @clip-path
643  @clip-path
644  @clip-path
645  @clip-path
646  @clip-path
647  @clip-path
648  @clip-path
649  @clip-path
650  @clip-path
651  @clip-path
652  @clip-path
653  @clip-path
654  @clip-path
655  @clip-path
656  @clip-path
657  @clip-path
658  @clip-path
659  @clip-path
660  @clip-path
661  @clip-path
662  @clip-path
663  @clip-path
664  @clip-path
665  @clip-path
666  @clip-path
667  @clip-path
668  @clip-path
669  @clip-path
670  @clip-path
671  @clip-path
672  @clip-path
673  @clip-path
674  @clip-path
675  @clip-path
676  @clip-path
677  @clip-path
678  @clip-path
679  @clip-path
680  @clip-path
681  @clip-path
682  @clip-path
683  @clip-path
684  @clip-path
685  @clip-path
686  @clip-path
687  @clip-path
688  @clip-path
689  @clip-path
690  @clip-path
691  @clip-path
692  @clip-path
693  @clip-path
694  @clip-path
695  @clip-path
696  @clip-path
697  @clip-path
698  @clip-path
699  @clip-path
700  @clip-path
701  @clip-path
702  @clip-path
703  @clip-path
704  @clip-path
705  @clip-path
706  @clip-path
707  @clip-path
708  @clip-path
709  @clip-path
710  @clip-path
711  @clip-path
712  @clip-path
713  @clip-path
714  @clip-path
715  @clip-path
716  @clip-path
717  @clip-path
718  @clip-path
719  @clip-path
720  @clip-path
721  @clip-path
722  @clip-path
723  @clip-path
724  @clip-path
725  @clip-path
726  @clip-path
727  @clip-path
728  @clip-path
729  @clip-path
730  @clip-path
731  @clip-path
732  @clip-path
733  @clip-path
734  @clip-path
735  @clip-path
736  @clip-path
737  @clip-path
738  @clip-path
739  @clip-path
740  @clip-path
741  @clip-path
742  @clip-path
743  @clip-path
744  @clip-path
745  @clip-path
746  @clip-path
747  @clip-path
748  @clip-path
749  @clip-path
750  @clip-path
751  @clip-path
752  @clip-path
753  @clip-path
754  @clip-path
755  @clip-path
756  @clip-path
757  @clip-path
758  @clip-path
759  @clip-path
760  @clip-path
761  @clip-path
762  @clip-path
763  @clip-path
764  @clip-path
765  @clip-path
766  @clip-path
767  @clip-path
768  @clip-path
769  @clip-path
770  @clip-path
771  @clip-path
772  @clip-path
773  @clip-path
774  @clip-path
775  @clip-path
776  @clip-path
777  @clip-path
778  @clip-path
779  @clip-path
780  @clip-path
781  @clip-path
782  @clip-path
783  @clip-path
784  @clip-path
785  @clip-path
786  @clip-path
787  @clip-path
788  @clip-path
789  @clip-path
790  @clip-path
791  @clip-path
792  @clip-path
793  @clip-path
794  @clip-path
795  @clip-path
796  @clip-path
797  @clip-path
798  @clip-path
799  @clip-path
800  @clip-path
801  @clip-path
802  @clip-path
803  @clip-path
804  @clip-path
805  @clip-path
806  @clip-path
807  @clip-path
808  @clip-path
809  @clip-path
810  @clip-path
811  @clip-path
812  @clip-path
813  @clip-path
814  @clip-path
815  @clip-path
816  @clip-path
817  @clip-path
818  @clip-path
819  @clip-path
820  @clip-path
821  @clip-path
822  @clip-path
823  @clip-path
824  @clip-path
825  @clip-path
826  @clip-path
827  @clip-path
828  @clip-path
829  @clip-path
830  @clip-path
831  @clip-path
832  @clip-path
833  @clip-path
834  @clip-path
835  @clip-path
836  @clip-path
837  @clip-path
838  @clip-path
839  @clip-path
840  @clip-path
841  @clip-path
842  @clip-path
843  @clip-path
844  @clip-path
845  @clip-path
846  @clip-path
847  @clip-path
848  @clip-path
849  @clip-path
850  @clip-path
851  @clip-path
852  @clip-path
853  @clip-path
854  @clip-path
855  @clip-path
856  @clip-path
857  @clip-path
858  @clip-path
859  @clip-path
860  @clip-path
861  @clip-path
862  @clip-path
863  @clip-path
864  @clip-path
865  @clip-path
866  @clip-path
867  @clip-path
868  @clip-path
869  @clip-path
870  @clip-path
871  @clip-path
872  @clip-path
873  @clip-path
874  @clip-path
875  @clip-path
876  @clip-path
877  @clip-path
878  @clip-path
879  @clip-path
880  @clip-path
881  @clip-path
882  @clip-path
883  @clip-path
884  @clip-path
885  @clip-path
886  @clip-path
887  @clip-path
888  @clip-path
889  @clip-path
890  @clip-path
891  @clip-path
892  @clip-path
893  @clip-path
894  @clip-path
895  @clip-path
896  @clip-path
897  @clip-path
898  @clip-path
899  @clip-path
900  @clip-path
901  @clip-path
902  @clip-path
903  @clip-path
904  @clip-path
905  @clip-path
906  @clip-path
907  @clip-path
908  @clip-path
909  @clip-path
910  @clip-path
911  @clip-path
912  @clip-path
913  @clip-path
914  @clip-path
915  @clip-path
916  @clip-path
917  @clip-path
918  @clip-path
919  @clip-path
920  @clip-path
921  @clip-path
922  @clip-path
923  @clip-path
924  @clip-path
925  @clip-path
926  @clip-path
927  @clip-path
928  @clip-path
929  @clip-path
930  @clip-path
931  @clip-path
932  @clip-path
933  @clip-path
934  @clip-path
935  @clip-path
936  @clip-path
937  @clip-path
938  @clip-path
939  @clip-path
940  @clip-path
941  @clip-path
942  @clip-path
943  @clip-path
944  @clip-path
945  @clip-path
946  @clip-path
947  @clip-path
948  @clip-path
949  @clip-path
950  @clip-path
951  @clip-path
952  @clip-path
953  @clip-path
954  @clip-path
955  @clip-path
956  @clip-path
957  @clip-path
958  @clip-path
959  @clip-path
960  @clip-path
961  @clip-path
962  @clip-path
963  @clip-path
964  @clip-path
965  @clip-path
966  @clip-path
967  @clip-path
968  @clip-path
969  @clip-path
970  @clip-path
971  @clip-path
972  @clip-path
973  @clip-path
974  @clip-path
975  @clip-path
976  @clip-path
977  @clip-path
978  @clip-path
979  @clip-path
980  @clip-path
981  @clip-path
982  @clip-path
983  @clip-path
984  @clip-path
985  @clip-path
986  @clip-path
987  @clip-path
988  @clip-path
989  @clip-path
990  @clip-path
991  @clip-path
992  @clip-path
993  @clip-path
994  @clip-path
995  @clip-path
996  @clip-path
997  @clip-path
998  @clip-path
999  @clip-path
1000  @clip-path

```

- Some clean templates has been provided for a many unimplemented applications which are meant to express the potential of the app, given time