

Publication: The Business Times, p 33

Date: 15 November 2013

Headline: No waiter, please! We've the e-menu



"Virtual waiter": NUS students Jay Teo (left) and Qiao Liang of BigSpoon, Their app shares some similarities with the one Aptsys offers but it also

## No waiter, please! We've the e-menu

Developed by local tech firms, these automated systems not only help ease manpower crunch at eateries but also eliminate the chances of errors in orders, reports RACHEL LOI

disputes over wrong orders and maybe even service charge could all be a thing of the past if the food and beverage industry here decides to go down the automated route.

It could also solve the manpower crunch that's crippling eateries all over Sparses.

over Singapore, with more eateries turning to solutions such as iPad menus and iPhone apps developed by local technology companies to run their operations.

One of the frontrunners in the

One of the irontrunners in the business is 10-year-old local company Aptsys Technology Solutions Pte Ltd. Three years ago, it developed its iPad e-menu as well as an iPod touch system that waiters can use to send orders directly to the kitchen instead of having to key it into a separate point-of-sale terminal.

point-of-sale terminal.

Restaurants simply have to provide their own iPads, and Aptsys will
install its customised menu into them.
Customers can then browse at their
own leisure and place orders without
the hassle of flagging a flustered
waiter. Using a solution like this also
means restaurants no longer have to
reprint their entire menu every time
they come up with a new dish. they come up with a new dish

## Removing bottleneck

Says Aptsys founder Ernest Lim: This app removes the bottleneck in the entire workflow of the restaurant operation, and hence greatly increas-es productivity. Waiters can concentrate on serving food and presenting the bill, and customers can now go service easily with just a tap on the

His e-menu system took about half a year of research and development (R&D) before he could release it into the market, and restaurants can now purchase the app off-the-shelf for a minimum of \$28,000 for their first

This initial fee covers customisation, installation, as well as commis sion. Each iPad then costs \$1 a day to run, and that is capped at \$10 a day per outlet, to cover the service charge incurred when the restaurant needs help with any technical issues such as the adding and removing of items



e-Wait to be seated: Ticktok (above right) is the brainchild of SMU graduates (from left) Lee Jun Kiat, Tan Junguang and Chong Zi Xin. The trio provide eateries an automated queuing system for their customers.



Serving well: Aptsys' iPad e-men which carries 32 different wines This helps the restaurant avoid the cost of printing wine lists. Aptsys' iPod Touch has enabled the rooftop

carries 32 different wines that change every one or two weeks as part of their restaurant concept. "I cannot afford to always be printing a wine list, so this way I can avoid the printing cost," says Jean-Christophe Ca-This bodes well especially for Euro- doret, one of Napoleon's owners

The Aptsys iPad menu has also



caught the eye of many other estab-lishments. Currently, over 40 restaurants in Singapore are installed with

one of Aptsys's systems, and the number of requests has been rising. So much so that Mr Lim has his wn manpower issues and can install only about three or four systems a week for now. This is because each process can take up to two months depending on the clients' demands. New applicants would now have to join a three-month waiting list.

Mr Lim foresees that about 80 per cent of local sit-down restaurants will



eventually have to introduce an e-menu system in order to cope with the lack of manpower and high wag-

the lack of manpower and high wages.

In response to the growing demand for such system, a new start-up
company, BigSpoon, is also developing its own e-solution. Fronted by two
graduating students from the National University of Singapore (NUS) who
managed to get a \$10,000 grant from
the NUS Innovation and Entrepreneurship Practicum Grant to help
kick-start their project, BigSpoon's
app shares some similarities with the
one Aptsys offers but it also includes
additional functions such as the ability to get a waiter's attention.

But the biggest difference is that
restaurants do not have to get iPads
to install the e-menus, as it will be
downloadable for customers to carry
around on their own smartphones.

Think of it as a personal virtual

around on their own smartphones.

Think of it as a personal virtual waiter that you can take to any restaurant that subscribes to the service – rant that subscribes to the service— one that even knows your favourite dishes as well as your allergies. Their app is still in the making, and will be released to the public only after January next year who in its later. ary next year when initial tests with selected restaurants are comple

To develop such an elaborate pro-To develop such an elaborate programme is not cheap, however. Big-Spoon co-founder Jay Teo reveals that most of the NUS grant has alternated been used up just to develop this first version of the app and he is mentally prepared to eventually dig into his own pocket for more R&D.

"We are just at the beginning of changing the delivery of dining ser-vices to consumers. The demand for vices to consumers. The demand for better service will always be there, and to meet these demands, the right tools are required, "says Mr Teo. "To some, it may seem impersonal to interact with a mobile device as

opposed to a human. But one of our survey respondents said they would be fine ordering on a device if it knows them better and has more time-ly service than a human," he adds.



Feedback-Triendy: Timbre has an Wad e-menu installed at almost every table of its four biggest and most bustling outlets. The group has also digitalised another aspect of its dining experience—feedback it gets from diners. Using the e-feedback app triibe, it sees 50 to 100 comments from each of its outlets every fortnight.



But some restaurant owners see things a little differently and feel a personal touch is still important.

The Lo & Behold Group's chief operations officer Andrew Ing, who has equipped three outlets with the Aptsys i Pod Touch system, says: "I hated the idea of e-menus at first because I thought where is the interaction between the server and the unlike the apps by Aptsys and action between the server and the guest? That's still very important. So I was not keen on iPad e-menus but I thought the Aptsys iPod Touch system was much more efficient and it allows servers more time to interact with growers.

## **Guests impressed**

With the system, customers still use hardcopy menus but waiters punch orders onto their iPod Touches in-stead of walking back and forth from the POS system. It has also allowed Mr Ing to cut manpower at the rooftop bar Loof, from about 14 staff on a Friday to about 10 or 11, making his investment a worthwhile one.

Technology is cheaper now. An iPod Touch is only about \$100 each, and of course there's investment in software and programming but that

and of course there's investment in software and programming but that is almost a one-off cost," he explains. According to Mr Ing, the system impresses guests with how the compa-ny is moving forward with technolo-gy. Sometimes there's just a "mental block" that needs to be gotten over, he save.

he says. Sharing his view is Shaun Markus rant Moojaa and founder of the mo-bile dining app Alfred, which is simi-

lar to BigSpoon's. His app will be launched next month but it is already in use at Moojaa.

"So far, using the system has cut my manpower by two," says Mr Lee.
"It's between the devil and the deep blue sea, really. Because as much as restaurants might want to keep the human element . . . when it comes to a point where they can't find people to hire, they won't have much of a

choice."
As for Timbre Group's establish-ments, they have an iPad e-menu installed at almost every table of their four biggest and most bustling out-late.

Managing director Edward Chia expresses surprise when customers in their 50s embraced the idea of an e-menu. "We are lucky because our customers are generally working executives, so they are more tech-savvy. But from time to time, of course, you do get people who still prefer the tradi-

rimbre has also digitalsed anoth-er aspect of their dining experience – feedback it gets from its diners. Using an e-feedback app called tribe, they see between 50 and 100 feedback comments from each of its outlets every fortnight.

Unlike the apps by Aptsys and BigSpoon, tribe is more consumer-

Unlike the apps by Aptsys and BigSpoon, triibe is more consumer-driven. Established last year, it attracts diners to give feedback by offering rewards like a '\$10 voucher for their next visit.

The app costs between \$65 and \$130 per month per location depending on what features clients want—such as a consolidated bi-weekly report of the feedback so clients can evaluate their own service performevaluate their own service performance levels.

ance levels.

Another specialised app is Ticktok

the brainchild of three Singapore

Management University (SMU) graduates who love to eat but hate to wait.

It was funded by the Spring Singapore Young Entrepreneurs Scheme
for Startups (YES! Starups) grant,

which gives young entrepreneurs. which gives young entrepreneurs up to \$50,000 to start their own busi-

ness.
What they do is provide busy eateries such as Saveur, Grub, and Wild Honey an automated queuing system where customers just have to key their phone number onto an iPad placed at the door, and they will receive an automated phone call once their table is ready.

their table is ready. Says o-founder Chong Zi Xin: "In-stead of standing aimlessly in front of a restaurant, customers can move around and do some shopping even. And restaurants increase manpower productivity as manual calling pro-cesses have become automated. The host can assity call extensors with a host can easily call customers with a

single tap."
But even with the wide array of digital options in the market, it seems there are still restaurants that are hesitant to jump on the e-solu

hesitant to jump on the e-solutions bandwagon.

Napoleon's Mr Caboret, for in-stance, does not intend to subscribe to any of the other technologies even if he expands his business.

"For the moment the e-menu is

roor the moment the e-menu is enough. We don't want too much technology here as well. Though I am thinking of opening a second outlet, and will definitely keep the e-menu because it's very efficient. But the thing is you cannot survive on just iPads. You still need people because that's still very important," he says. rachloi@sph.com.sq