

# Dating Apps: Constructing a safe, ethical and productive online dating environment for South-East Asians through modern technology



## Team 1:

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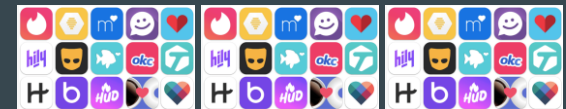
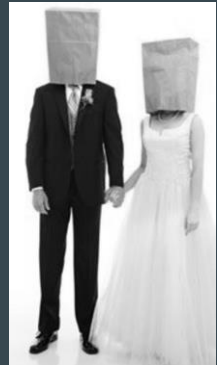
Aguinaldo, Jievanne (Philippines)

Manh Tri, Dao (Vietnam)

Lamtharn “Hanoi”, Hantrakul (Thailand)

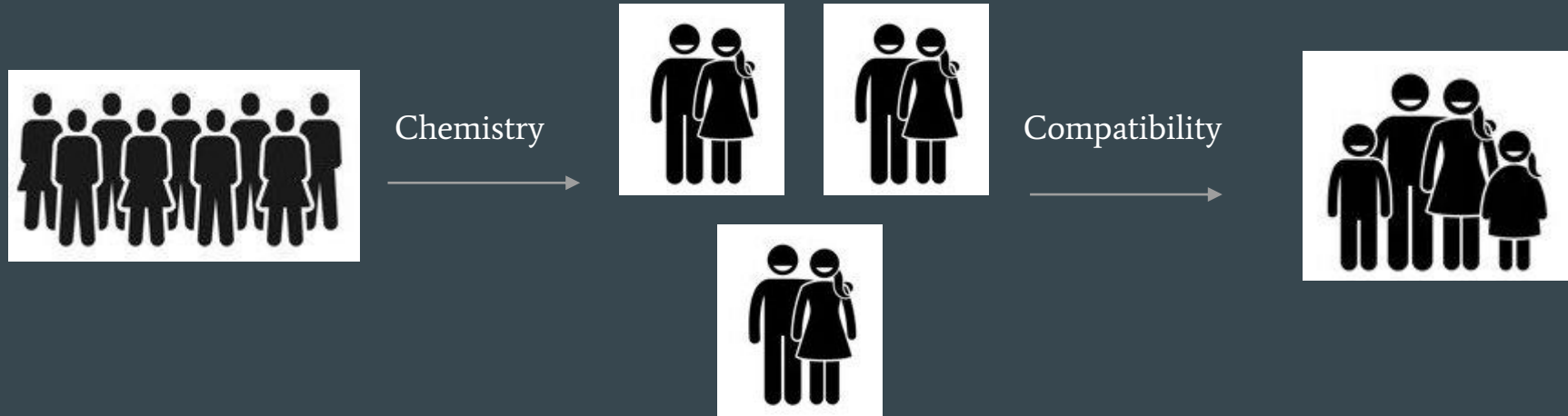
Buntoun, Monyrath (Cambodia)

# Introduction



Dating as a means to an end..

.. reproductive success  
.. family building



# The idea of finding “the ONE”

A Gentleman about 30 Years of Age, that says He has a Very Good Estate, would willingly Match Himself to some Good Young Gentlewoman, that has a Fortune of 2 000 l. or thereabout, and he will make Settlement to Content.

Self-promotion on journal (1685)

This Card is Kept Confidential

	Self	Date
1	P	P
2	C	C
3	A	A-B
4	D-S	E-G, L-T
5	CDE	
6	1, 4, 6, 7	
6	18	

Matchmaking service for \$0.25 (1940)



Cinderella (1697)



The Notebook (2004)

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## ACCESS IS KEY !

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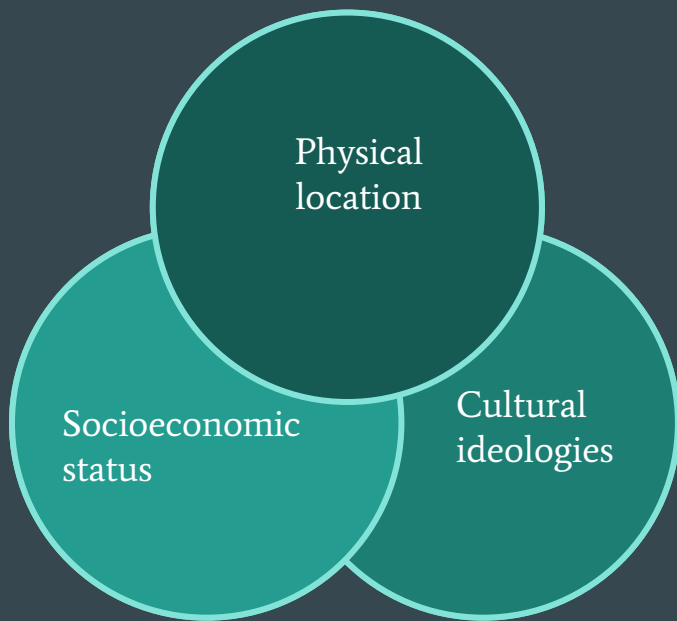
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# Constraints on dating access

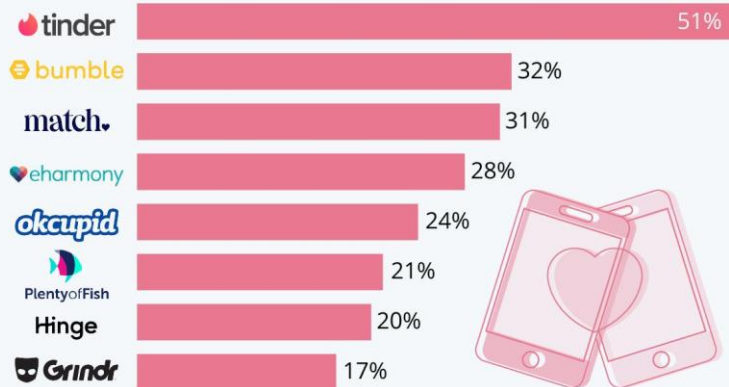


- Asymmetrical freedom of choice amongst sexes
- Zero Sum game mentality
- Incompatibility in marriages
- Disadvantages to marginalized groups

# Where we're today

## The Most Popular Dating Apps in the U.S.

Dating apps by share of paying U.S. dating app customers who use them (2020)



Multiple answers possible

Source: Statista Global Consumer Survey



statista

Figure 4:

## Top 3 online dating apps currently being used

Q. Which online dating apps are you using?



Source: GMOR survey "Online Dating Apps" January 2021.  
Base: All respondents who have ever used an online dating app (MA).



# Implications

Intended

- Manipulation of matching algorithm
- Agenda to control populations
- Create dependency

- Remove physical barriers
- Lower socioeconomic entry barrier
- Increase compatibility through integration of media

Consequences

Benefits

- Grounds for misbehavior
- Scams, identity thefts
- Distrust in virtual media
- Loss of genuine interest
- Generate mental health issues

- People finding friends and companions instead

Unintended



# Social: Tech Era (Agita)



**VERSATILE**

**CONVENIENT**



**APPROACHABLE**

**CONFIDENCE BOOSTING**

**ANONYMITY**

# Ethics: Tech Era (Agita)

## DECEPTION

**90% of young women** reported using filters or editing their photos to appear as if they had whiter teeth, weighed less, had a different nose, or other physical changes.

- *University of London's Gender and Sexualities Research Centre*

## UNRELIABLE MATCHING METHOD

Algorithms of dating sites have a major issue with the information they collect from users; questions related to **individual characteristics and personalities**. These information do not guarantee the relationships and happiness between two persons

## SHORT-LIVED RELATIONSHIP

**38.9%** online daters in Thailand , claimed their reason to use dating apps is “just curious”.

Couples from online dating have a **higher** possibility to get involved in dating and romantic relationships while couples who met offline are more likely to be in marital relationships - *Pace University, 2014*

## THREAT TO MARRIAGE

**60.1% (Indonesia) and 53.7% (Thailand)** are married and currently using an online dating app.

53% of **marriage and family therapists** conveyed the amount of cases they encounter that relates to cybersex are growing - *Goldberg, Peterson & Rosen, as cited in Jones & Tuttle, 2012*



# Ethics: Tech Era (Agita)

## HEALTH RISK OF SEXUAL ACTIVITY

Dating apps offer **anonymity**. It's difficult to know the accurate STD status of online users as there is no guarantee that the person will confess the truth.

Dating apps and STDs: a million new sexually transmitted infections a day - *WHO, 2019*

## CYBER HARASSMENT

Kaspersky's research on dating apps revealed that **1 in 6** admit to having been doxed after sharing personal information on an app.

**Sextortion - Revenge Porn - Doxing** increased during pandemic lockdown, rose up to **300% within 3 months in 2020 (Indonesia)**.

## SCAM

**Thailand (43%), Malaysia (53.9%), Indonesia (53.9%)** are staying away from dating apps, as they distrust of strangers online

UK National Fraud Authority reports over **£38 billion** is taken into account of fraud cost from dating apps.

## PRIVACY BREACH

**49%** of dating apps have access to a user's **billing** information, **73%** have access to current and past **GPS** location info and **34%** have access to a user's **camera**.

**Hackers** got unauthorized access to Cupid web servers and stole **245,000 Australian Cupid** site users' personal information. Cupid did not fulfill the password encryption processes.  
- *Branley, 2014*

# Pre-Tech vs Tech (Agita)

PRE-TECH

TECH

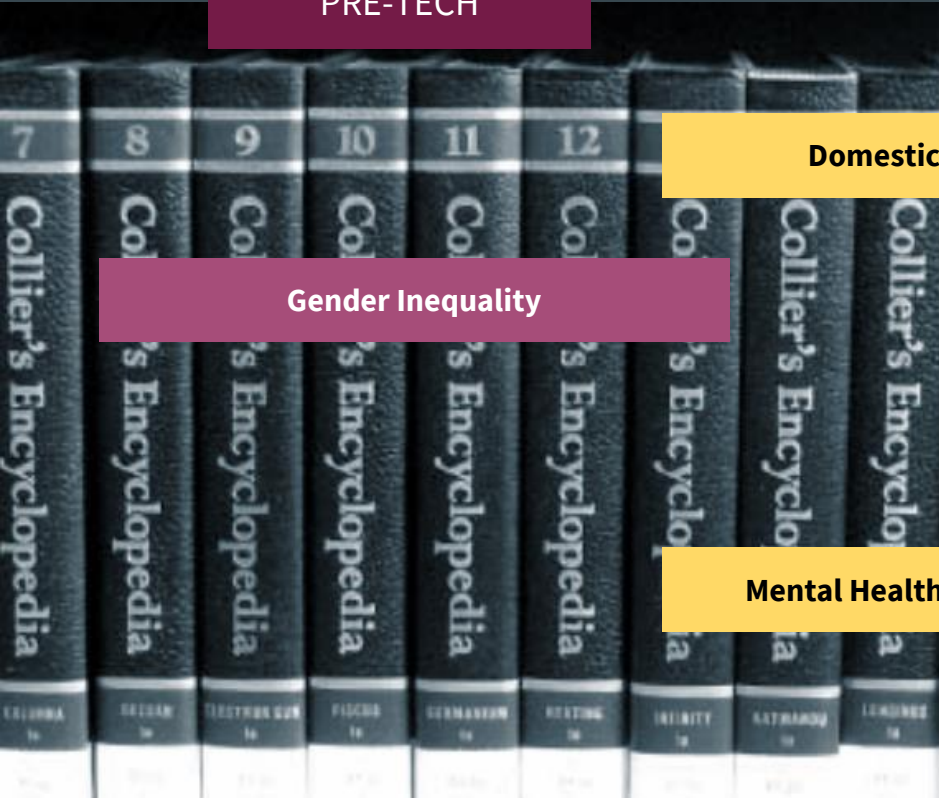
Domestic Violence

Gender Inequality

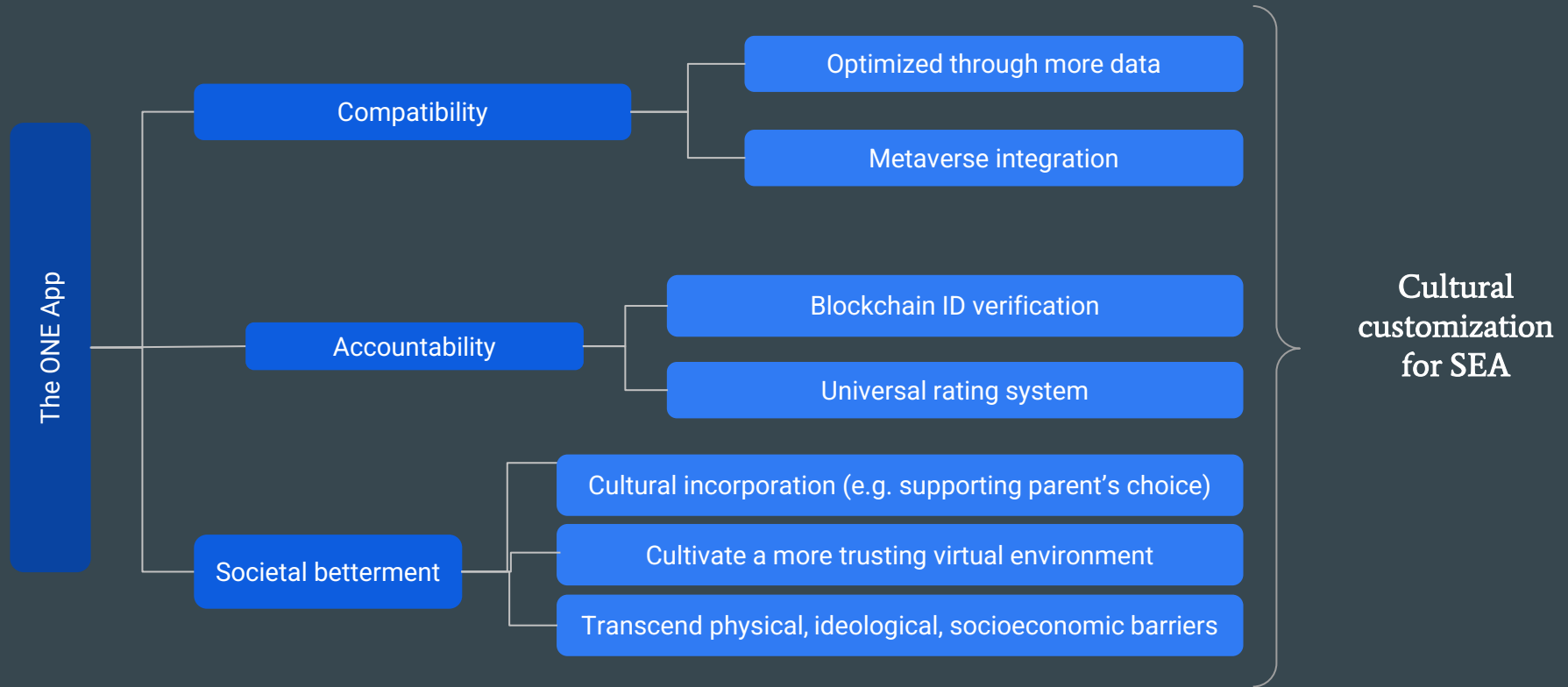
Cyber Crime/Harassment

Safety and Privacy

Mental Health & Well-Being



# Our framework for “The One” online dating experience



# Blockchain-based ID Verification (Hanoi)



## PROS

- Verifiable Identity
- Permanent strike to user who harass other members which follows through all platforms
- Federated Learning/Ownership of Data

## Coinnounce

BLOCKCHAIN CRYPTOCURRENCY CRYPTO NEWS

### South Korea to issue blockchain-based digital COVID-19 vaccine passports.



By Jai Pratap April 1, 2021

## CONS

- Cannot guarantee “physical” verification?
- How to correct information?

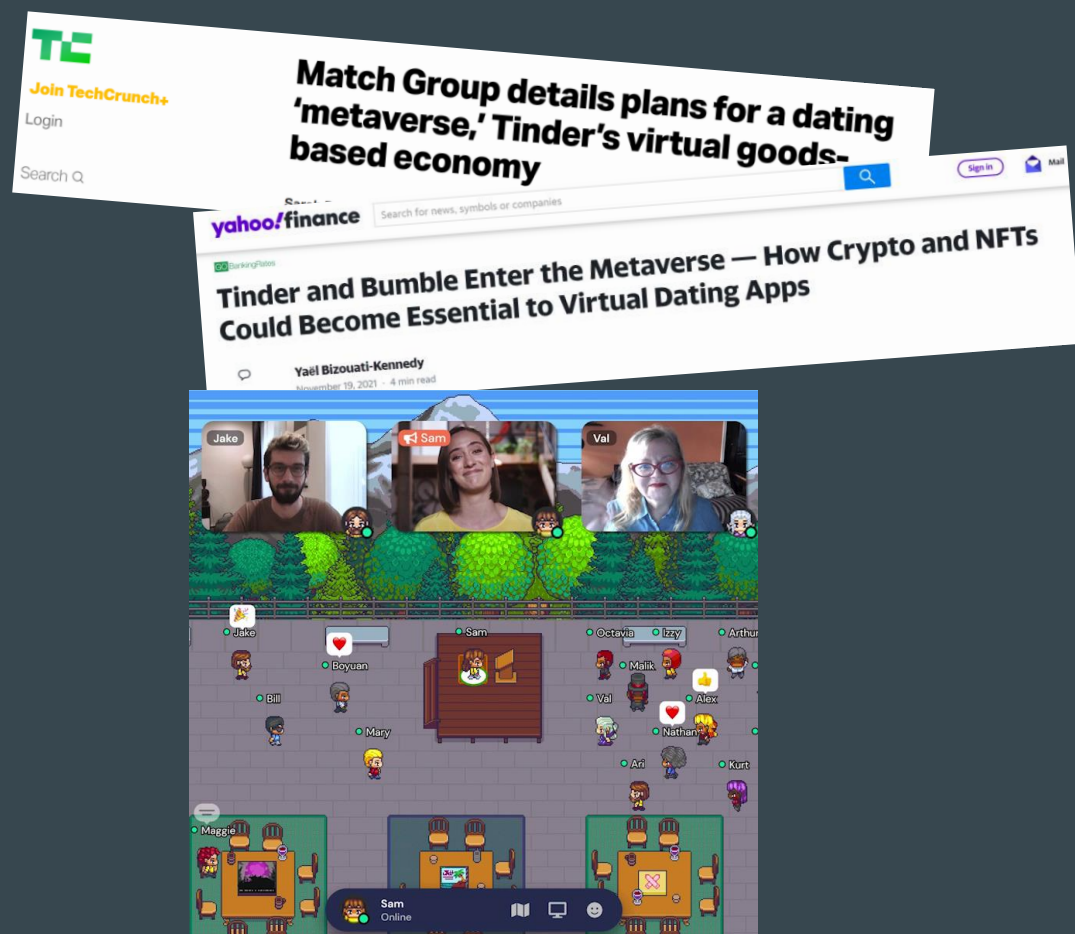


# Future Aspects (Monyrath)

- Metaverse:



Avatar



Virtual Space



# Metaverse Impacts (Monyrath)

## Opportunities:

- Blockchain-based marriage certificate
- Limitless dating destinations
- Remove language barriers

## Challenges:

- Virtual crimes
  - Needs universalize/digital marriage laws
-

Questions?

# References

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