#### Kamazooie Development Corporation



## "Al for the Product Marketer"

**Investor Overview** 

September 15, 2019

Private and Confidential





#### Overview:

- Kamazooie Development Corporation (KDC) holds key IP for "emotional intelligence" sought-after by AI community and enterprise market
- KDC has achieved excellent validation from AI PhD's that it has a unique solution and a key market opportunity
- Application development is complete and customers are being onboarded now
- KDC solution is an end-to-end platform for fully automated consumer chat, NO EXTERNAL SERVICES OR COMPONENTS ARE NECESSARY.
- A key project is underway with Amazon to make Lex (and Alexa) more language tolerant and contextually aware; successful demonstration to Amazon, July 2, 2019
- ▶ Joint customer for Lex-Kama-DEI solution chosen: Toronto Transit Commission process is agreed with TTC Chief Enterprise Architect and plan is in progress
- Many sales prospects are under development for further customer adoption
- The company has seasoned development and management teams and a growing Advisory Board able to execute on its exciting opportunity
- KDC has raised ~640k of private capital at 5MCAD valuation in 2018 and is seeking an additional ~360k @ 6MCAD valuation (225k remaining) in 2019



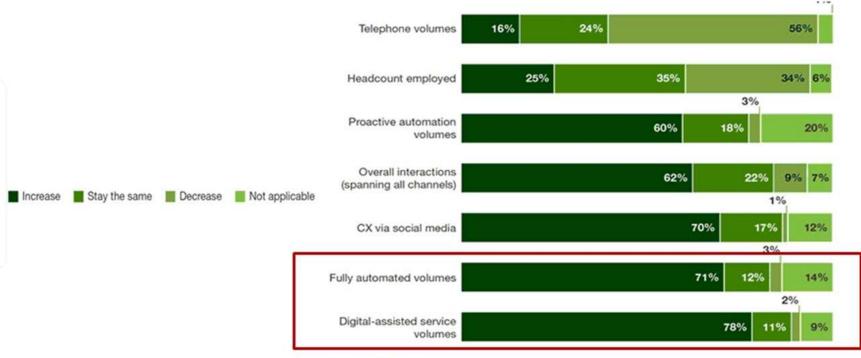
# The Market Opportunity





#### Customer Engagement Increasingly Digital

#### Digital service volumes will grow the most



Base: 1,124 global responses

Source: Dimension Data 2017 Global Customer Experience (CX) Benchmarking Report

Over 70% of business leaders believe AI will be the dominant factor in supporting CRM interactions in the coming years.

#### CRM AI Market in 40% Growth Phase at 11B per year







# CRM Artificial Intelligence Trends Across Salesforce, Oracle, SAP, and More

Last updated on December 25, 2017 by Jon Walker









The amount of data companies have on customers and the number of channels customers are using to interact with businesses have grown significantly in the past decade. Artificial intelligence may hold great promise in optimizing customer and client interactions.

The five largest Customer Relationship Management (CRM) vendors by market share in 2015 were Salesforce, Oracle, SAP, Adobe Systems, and Microsoft. These five companies make up almost half of the entire CRM market. All of them have been investing in their internal development of machine learning and AI, while also buying AI startups.

"An IDC White Paper

projects that the use of AI in CRM will boost global business revenue by \$1.1 trillion from 2017-2021.

They claim that it could result in 800,000 net new jobs."

impact of Ai in marketing, and the industries most likely to be disrupted. View the full study:

CRM system providers,
Internet Service providers
and even enterprise's like
Verizon, TD Bank and
McDonalds are buying Al
companies to advance their
businesses. Any of these
can be acquirer targets for
Kamazooie

#### **Artificial Intelligence Hits the Barrier** of Meaning

Machine learning algorithms don't yet understand things the way humans do—with sometimes disastrous consequences

Kama-DEI Addresses a fundamental challenge faced by the Al community



forecasts will fall short as well. The challenge of creating humanlike

intelligence in machines remains greatly underestimated. Today's A.I. systems sorely lack the essence of human intelligence: understanding the situations we experience, being able to grasp their meaning.

> Melanie Mitchell is professor of computer science at Portland State University and external professor at the Santa Fe Institute. Her book, "Artificial Intelligence: A Guide for Thinking Humans," will be published in 2019

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# Company Overview







## Our Value Proposition backed by our patents

Kamazooie Designed Emotional Intelligence™ (Kama-DEI) fills a gap that exists in current AI technologies and opens many market opportunities and application areas by capitalizing on the <u>patented</u> (human) values-based natural language processing technique to enable a more personalized and natural interaction between systems and people via a cognitive natural language interface.

One-to-One Customer Service Automation 'Personalized customer interaction'

The ability to define and model a consumer's personality with a personal value profile allows enterprises to market to or support their customers with their values, emotions and priorities in mind.

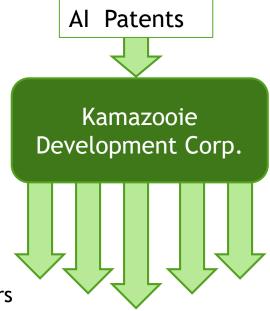
- Drastically reduce the cost of personalized consumer conversation
- Increases digital conversions or sales leads
- ► Improves customer experience

#### Our Intellectual Property

- 1. Uses human values like "security", "efficiency", "comfort" to assess relevance and meaning
- 2. The subjectivity of values allows the AI to be "tuned" to a particular rating set or value profile (personalization)
- 3. <u>US patent</u> was issued Aug. 11, 2015
- 4. Canadian patent was issued Dec. 12, 2016
- 5. China patent was issued June 5<sup>th</sup>, 2018
- 6. Israeli patent is approved but not issued
- China patent successfully cleared a challenge from Warterloo-based Primal Fusion patent
- 8. Parallel applications are pending in UK, France, Germany, India & Sweden jurisdictions
- 9. A new 'continuance patent will be filed in 2019 increasing our 'emotional intelligence' capabilities

### KDC at a glance...

Enterprise B2B2C Software-as-a-Service Applications



Note: Early sales and business development will be direct to Enterprise.

Prof. Services & Channel Partners

CRM Channel Partners









Systems Integration and Business Consulting

CRM systems into which Kama-DEI can be integrated

#### Our Team:



Brian Ritchie
PEng, MBA
CEO, (acting CTO)
Technology Visionary

Inventor of Kama-DEI Patented AI technique



Jacky Wang

Head of AI Development

NLP, AI and ML design, Kama-DEI platform research



Behrooz Darabiha BSc

Head of Enterprise Development

Kama-DEI Administrative System Design/Implementation

API & Integration Specialist



Gabriel Carrillo PhD, MSc

Sr. Software Engineer

Kama-DEI prototype developer

Al and NLP implementation Engineer



Kaiyang Li

Product Manager

Customer Applications and Product Roadmap

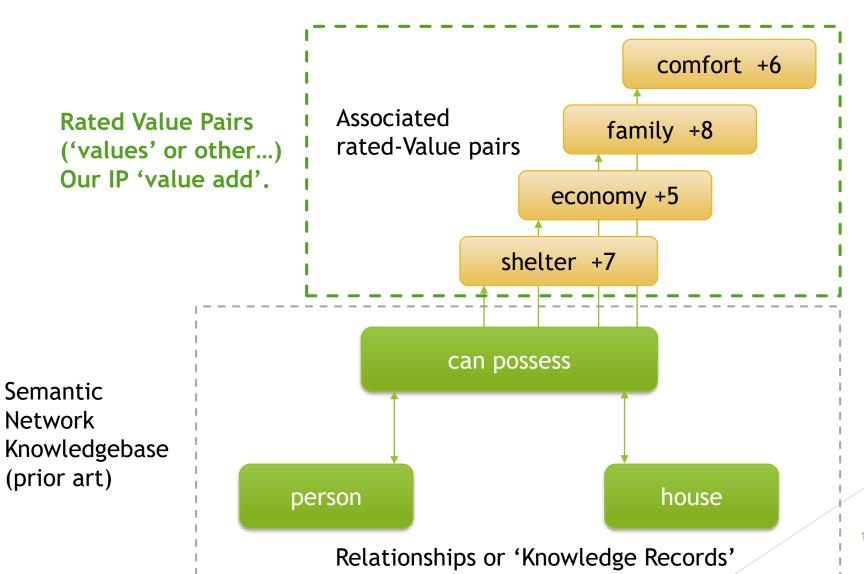


Kenneth Yong
BEng

Head of Professional Services

Customer Applications and Integration

# The Patented Data Architecture of Kamazooie Designed Emotional Intelligence™ or Kama-DEI



#### Net-negative score infers 'problems'

Associated Productivity -3 Personalized, subjective rated-Value pairs view of products, situation or other Comfort -3 information Health -2 can be Knowledge Record hungry person

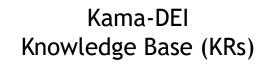
# Kama-DEI Inquiry and Response Personalization Method:

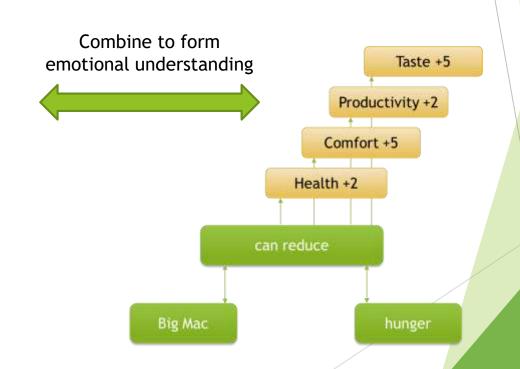
#### Kama-DEI User Profile



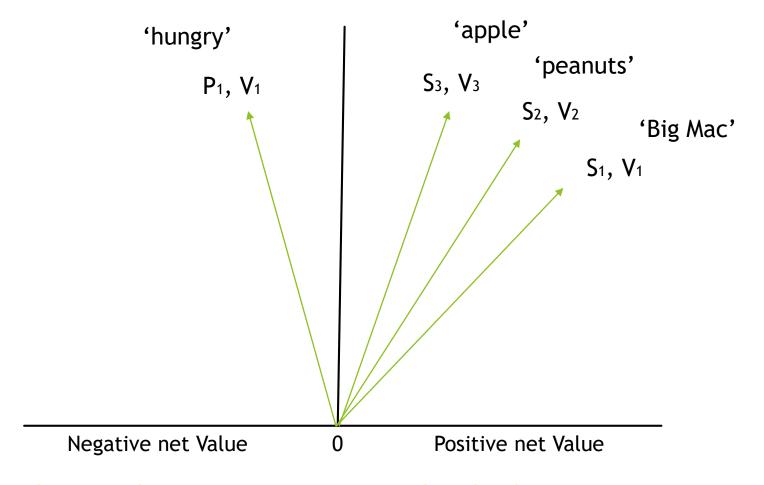
~135 dimension Value Vector Space for product, service & Information Personalization

Value	Rating
accomplishment	+6
adventure	+4
autonomy	+5
justice	+5
kindness	+7
knowledge	+6
wisdom	+7
wonder	+5



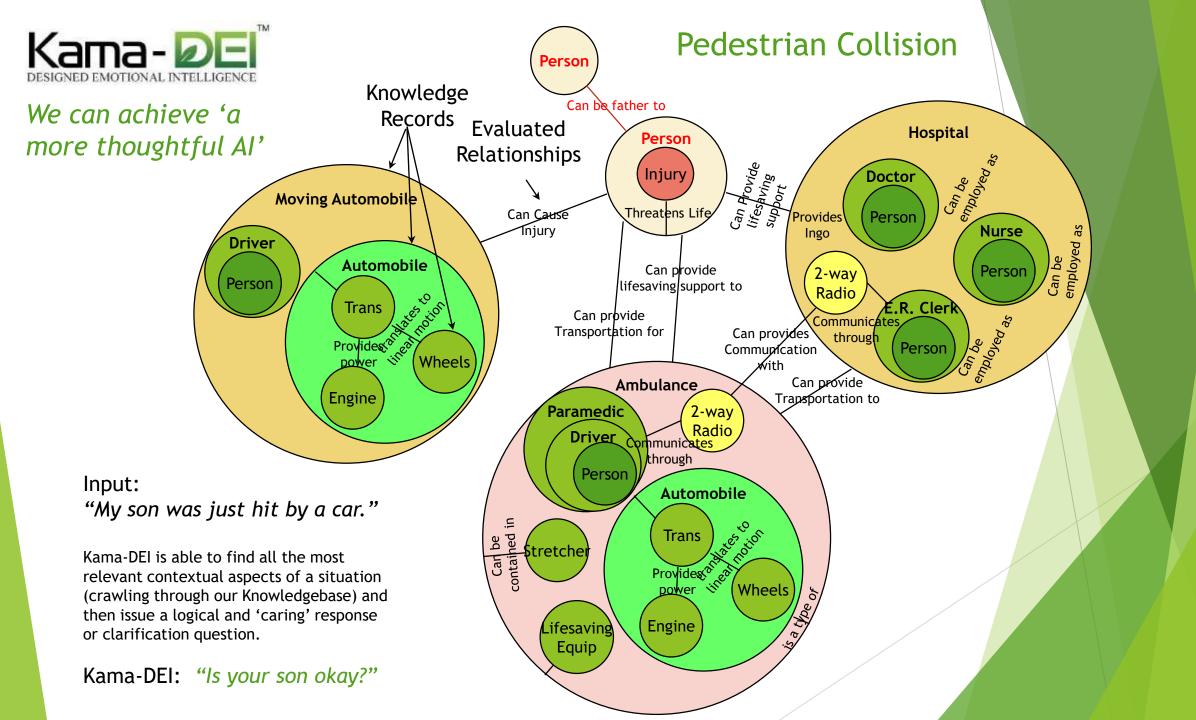


#### Problem and Solution vectors:



The most distant vector is prioritized in the discussion.

Our vector space is > 130 human values but could be any rated-value pairs.



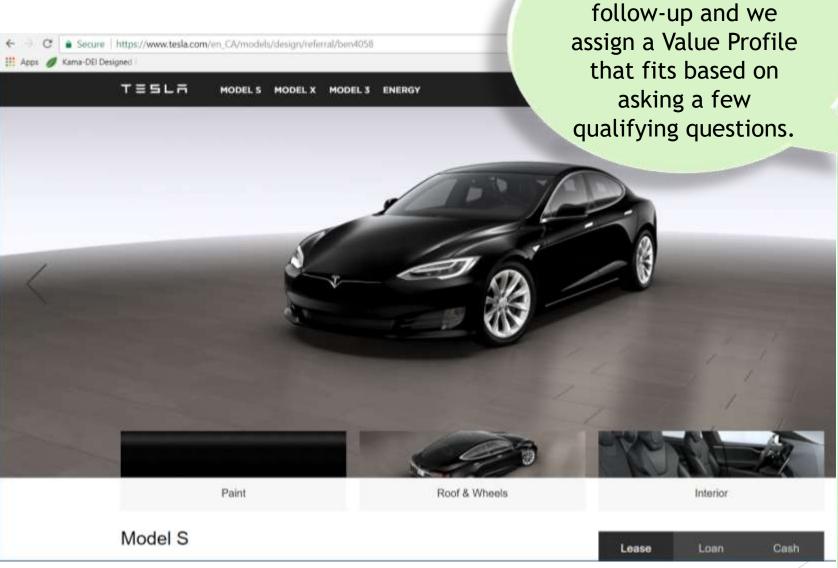


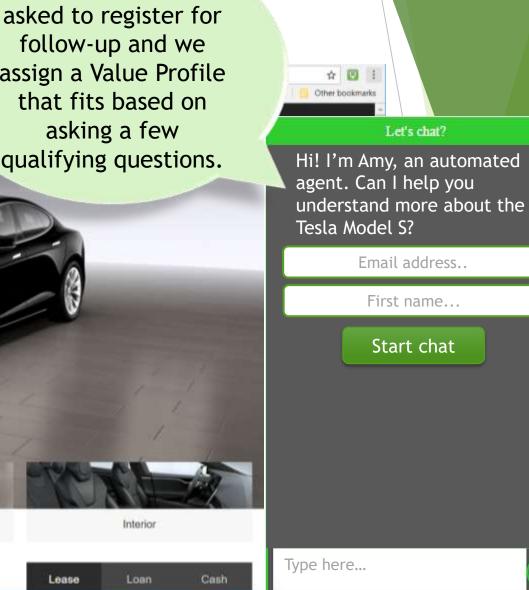
## How does it work?





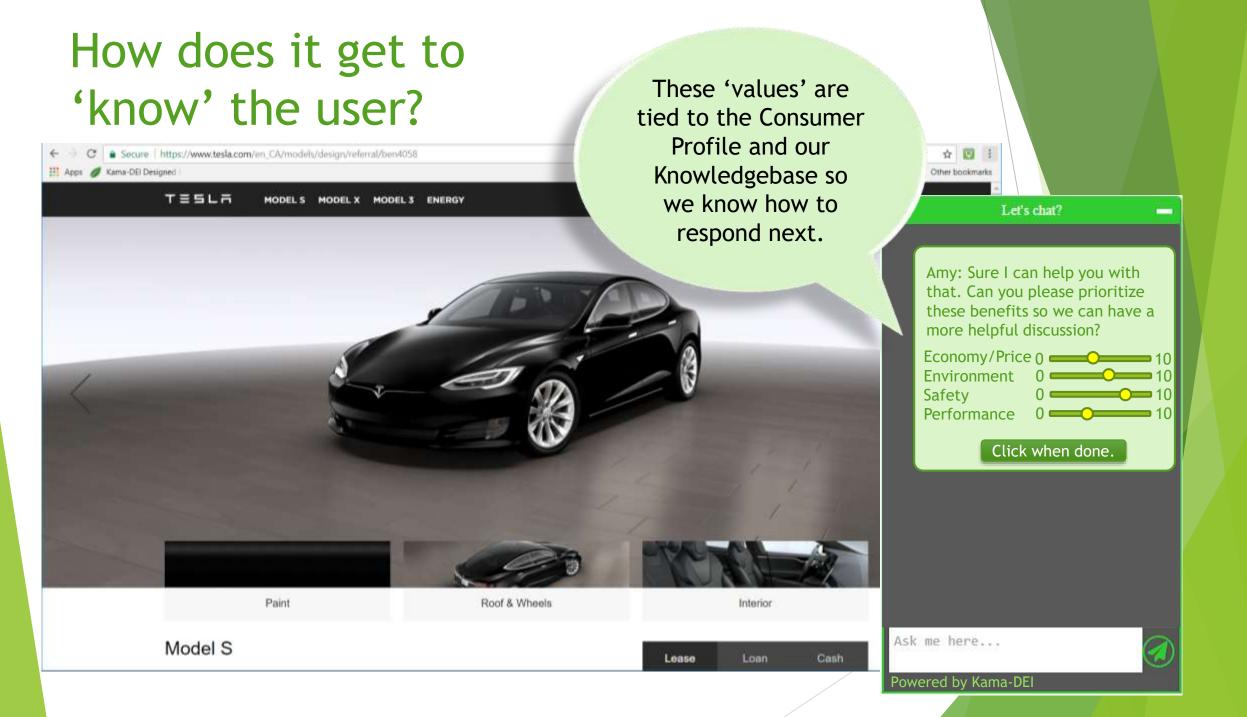
#### How does it work?

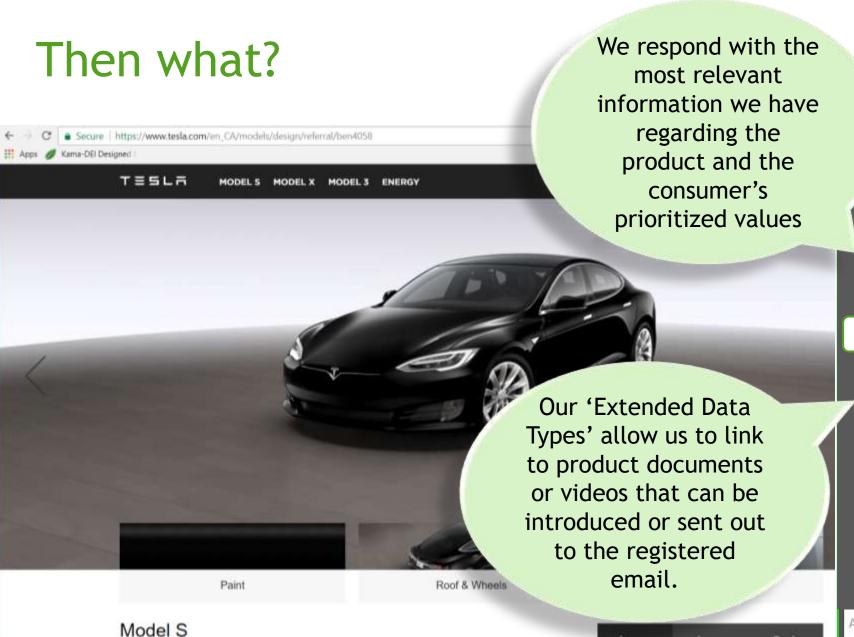


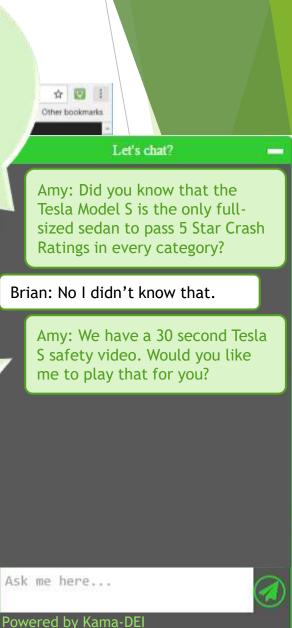


Powered by Kama-DEI

The consumer is





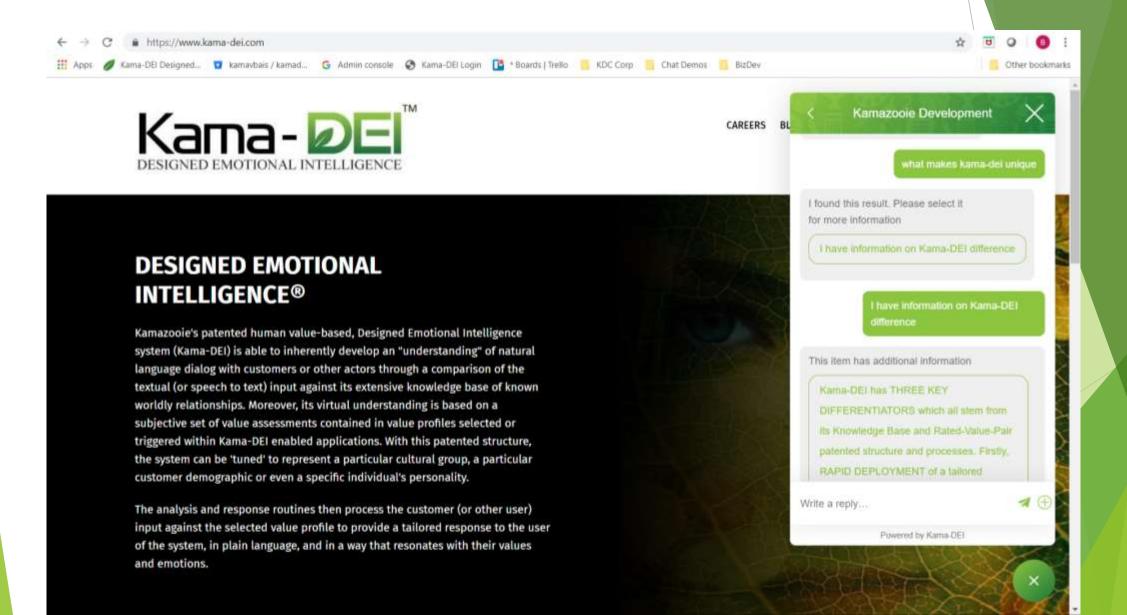


Cash

Loan

Lease

#### "Kamaron" - Kama-DEI's first public chatbot



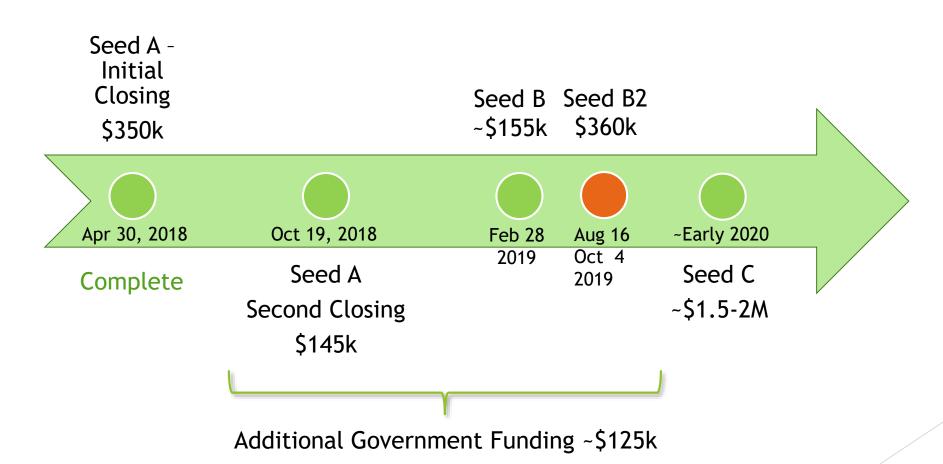


# The Investment Opportunity





#### Funding Plan Summary:



### Key Milestones for 2019

- Complete Seed B2 investment of 360kCAD
- ► Launch of Kamaron for KDC inquires and chatbot demonstration (complete)
- AWS/Lex-Kama-DEI Joint Solution (Demonstrated to Amazon July 2, 2019)
- Launch of Mosquito.buzz pilot with new FB Messenger 'front-end'
- Gain direct customers for KDC in H2 current sales projects are:
  - SmartDesk (complete)
  - Canada Protection Plan Insurance chatbot
  - ► Toronto Transit Commission (trial with Kama-DEI Lex combined solution)
  - ... others underway
- Website and marketing material update (RFP in progress)
- Launch new 'continuance patent' for more advanced 'emotional intelligence'
- ▶ Seed C investment late in 2019 or early 2020 to fund 2020 and beyond

### Budget and Forecast for 2019:

Initial Bank Balance	19-Jan	19-Feb	19-Mar	19-Apr	19-May	19-Jun	19-Jul	19-Aug	19-Sep	19-Oct	19-Nov	19-Dec	Total Budget 2019
Cash Inflows													
Equity		155,000				50,000	311,000						516,000
OCE Internship		(2,270)		3,000									730
SRED					105,000								105,000
Nishinabe-Aski Development								25,000					25,000
IRAP Internship (20k) (new BComm)							15,000					5,000	20,000
OCE Market Readiness 1 (125k) - could	offset 125 or m	ore Equity at a	a lower dilution	n if it can be n	egotiated.								-
Revenue (not counted in cashflow)	-	-	-	-	15,000	30,000	30,000	50,000	150,000	30,000	50,000	150,000	505,000
Total Cash Inflows	-	152,730	-	3,000	105,000	50,000	326,000	25,000	-	-	-	5,000	
Salaries	43,749	43,749	45,366	45,366	45,366	42,180	42,180	42,180	42,180	42,180	42,180	42,180	518,852
Benefits (not all employees)	808	808	808	658	658	658	1,027	1,027	1,027	1,027	1,027	1,027	10,561
Legal			5000										5,000
Accounting and Payroll	500	3500	3500	500	500	500	500	500	500	500	500	500	12,000
IP Patent dev & maint.	4833			4000	15000	5000		2000		2000			32,833
Technical Tools (PCs, Sanbot)													-
Marketing					15000	15000	20000						50,000
Hosting & Applications	533	533	533	533	533	533	723	533	533	533	533	533	6,590
Recruiting/Advertising			100	100									200
Travel, Conferences & Pilots		5000		2000		5000	2000	2000	2000	2000	2000	2000	24,000
Entertaiment (investor & pilots)	300	500	500	500	500	500	500	500	500	500	500	500	5,800
Meeting Rooms			500			500				500			1,500
Montly Cash Costs	50,723	54,090	56,307	53,657	77,557	69,871	66,930	48,740	46,740	49,240	46,740	46,740	
Montly Closing Balance	55,718	154,358	98,051	47,394	74,837	54,966	314,036	290,296	243,556	194,316	147,576	105,836	105,836

#### Assumptions:

Seed B and Seed B2 closes at 495k

No revenue calculated in cashflow for robust forecast

Marketing and new patents not started until Seed B2 equity raised

We would still have >105k available at end of 2019 Require plan for Seed C or Series A in Q4-19

#### Outside-In opportunity... (acquirer targets)

A tremendous opportunity exists when consumer value profiles outside the enterprise (i.e. Facebook) interact with Kama-DEI enabled enterprise via permission-based access during online customer engagements allowing personalized interaction.



Kama-DEI enabled Enterprise CRM Installations

Marketing, Sales Support, Charity Social Responsibility

#### Kama-DEI API

Automated interaction based on user's value profile for enhanced User Experience and improved consumer conversion.



Kama-DEI enabled Community

# Enterprises (and Tech companies) are acquiring Al companies that can tailor product offerings



Login

Startups

Apps

Gadgets

Videos

Audio

Extra Crunch IIEW

Events

Advertise

Crunchbase

More

Search

Uber

Microsoft

Facebook

Google I/O 2019



McDonald's is announcing an agreement to acquire personalization company Dynamic Yield.

The announcement does not include a price, but a source with knowledge of the deal said that it's more than \$300 million. This is the fast food chain's largest acquisition in 20 years.

**Dynamic Yield** works with brands across e-commerce, travel, finance and media to create what's been described as an Amazon-style personalized online experience.

McDonald's said it will use this technology to create a drive-thru menu that can be tailored to things like the weather, current restaurant traffic and trending menu

#### TC Sessions: Mobility 2019 The Agenda Is Live!

San Jose Jul 10

Learn More





# Addition Information Amazon (AWS) Lex Al Project

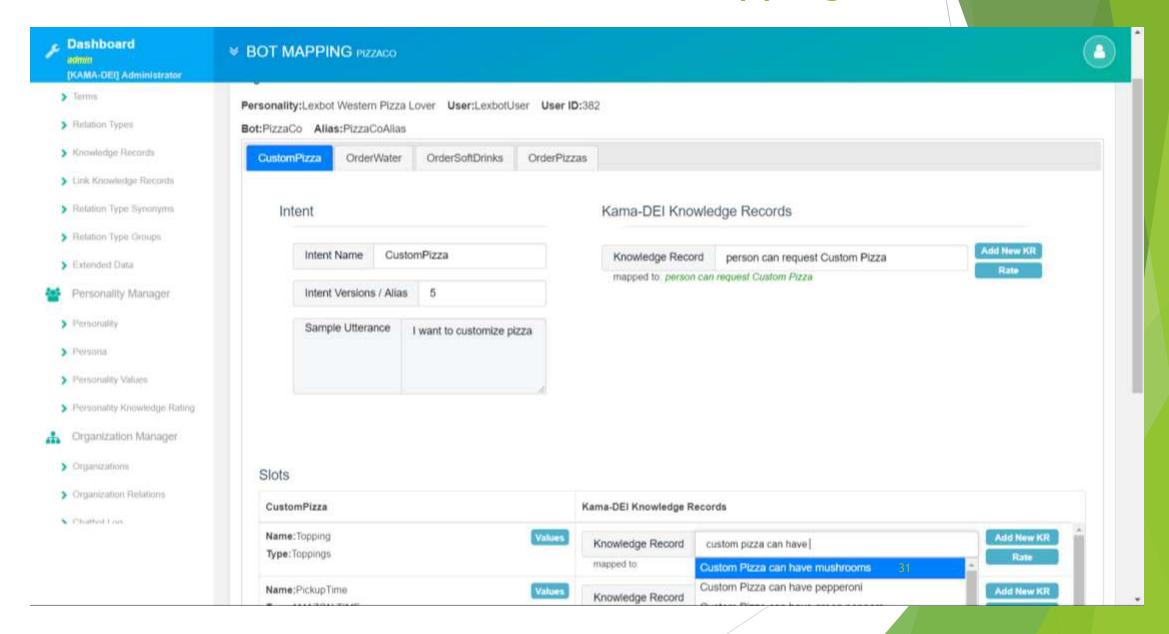
Deploy a new AWS service that can be used in conjunction with AWS Lex Chatbot service to increase the language understanding and cognition of Lex chatbots

#### Project Goals - Requested by Amazon

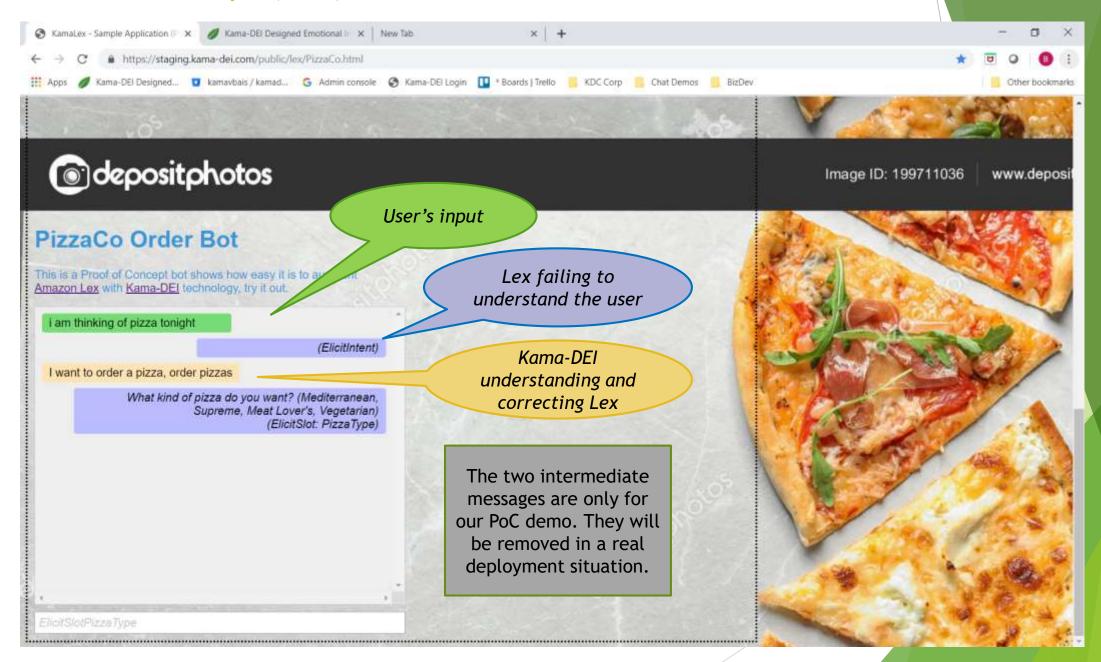
- Provide a 'back-up' service to improve Lex's language tolerance
- Provide a greater contextual understanding of tying user's situation (input 'utterance') into Lex 'Intents'
- Look for opportunities to 'upsell' the user based on key words or key contexts that can be 'understood' by Kama-DEI
- Implement it as a parallel service (for now) that can be used in conjunction with Lex chatbot service by enterprise application developers

Amazon Lex Product Manager stated several times that the obvious long-term solution is that Kama-DEI should eventually be integrated into Lex.

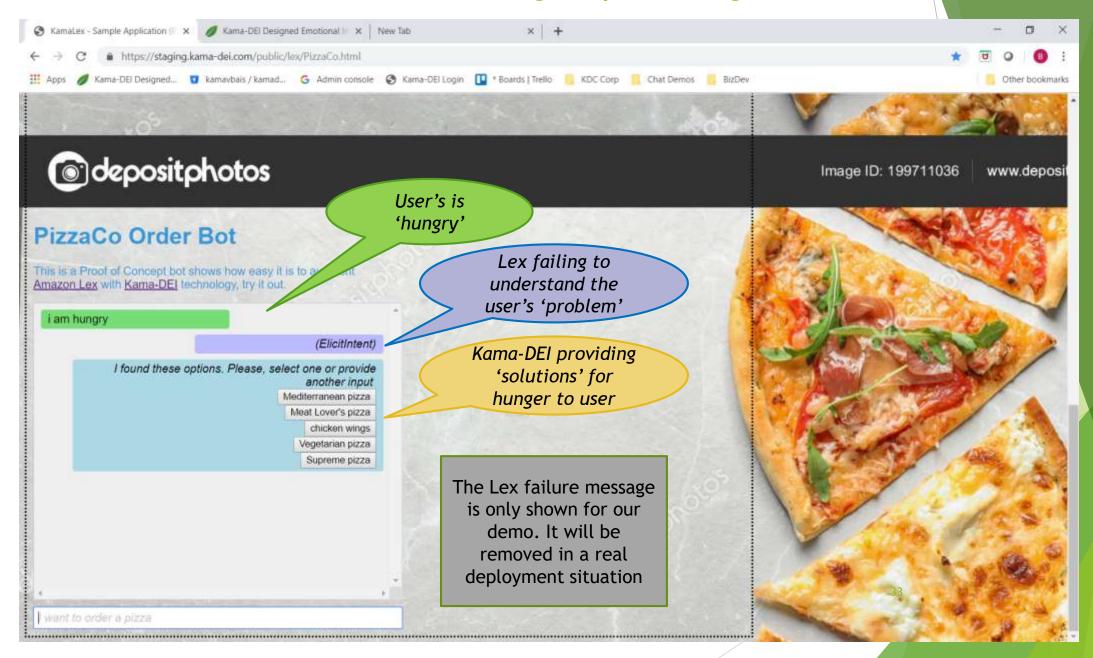
#### Combined Lex-Kama-DEI Bot Data Mapping:



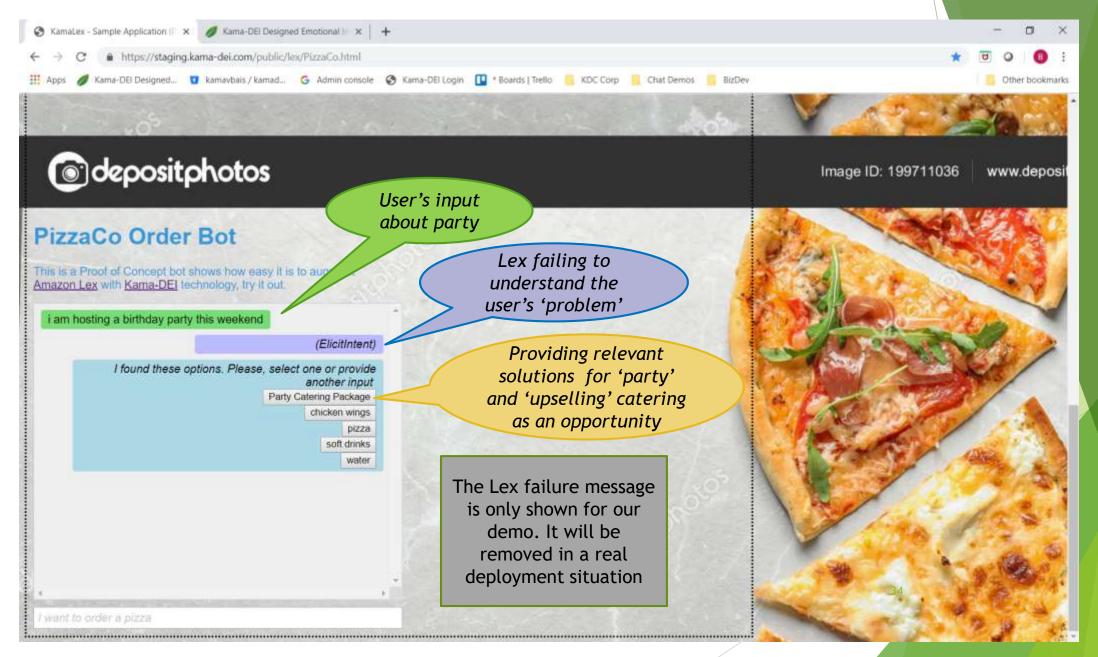
#### Proof-of Concept (PoC): Improved Natural Language Understanding



#### Lex-Kama-DEI Bot: Problem Solving - Improved Cognition

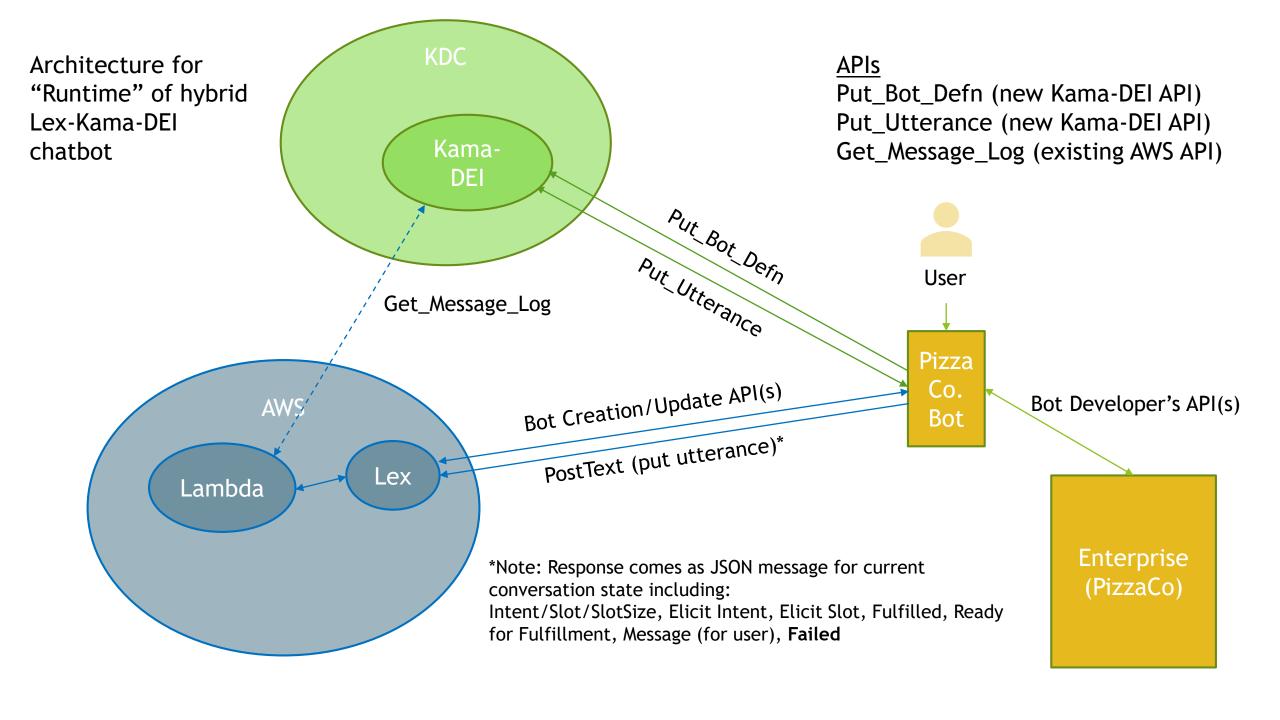


#### Lex-Kama-DEI Bot: Upselling based on emotional cues ('party')



## TTC-Amazon-Kama-DEI Project Plan

Activity	Date	
Demonstrate combined Lex-Kama-DEI solution	July 2	Complete
Choose a suitable enterprise customer (TTC)	August	Complete
Branded chatbot demo to TTC IT and business stakeholders	July 25	Complete
Agree on trial plan with Chief Enterprise Architect	August 28	Complete
Demo to TTC Wheel Trans business unit	September	Developing Demo
TTC Agrees to Trial with Kama-DEI and Amazon Lex	October	Planned
Trial implementation and integration period	Oct-Nov	Planned
Showcase customer - locate additional customers	Dec onwards	Planned





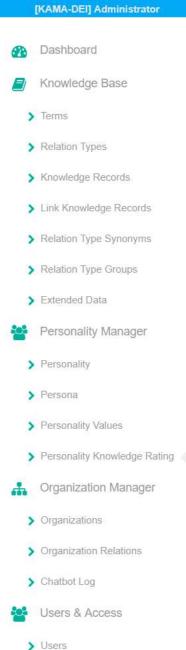
## Additional information...

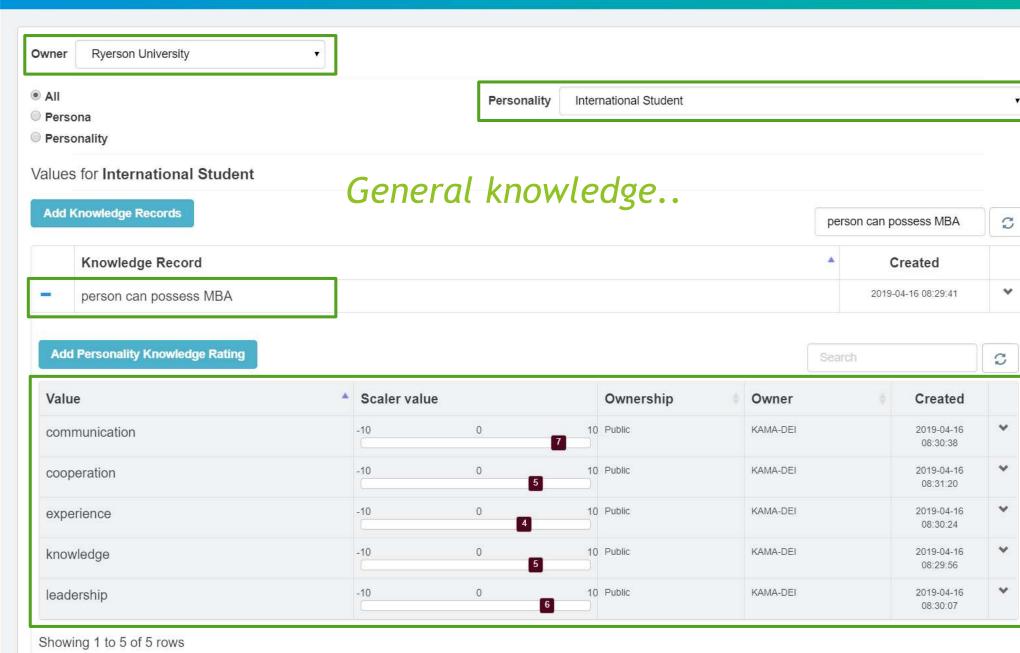
Kama-DEI Enterprise Application



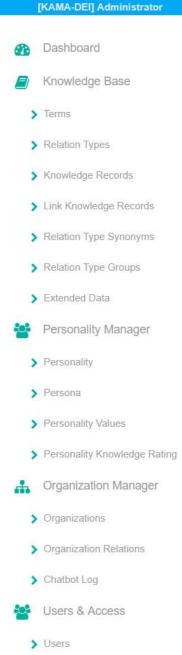


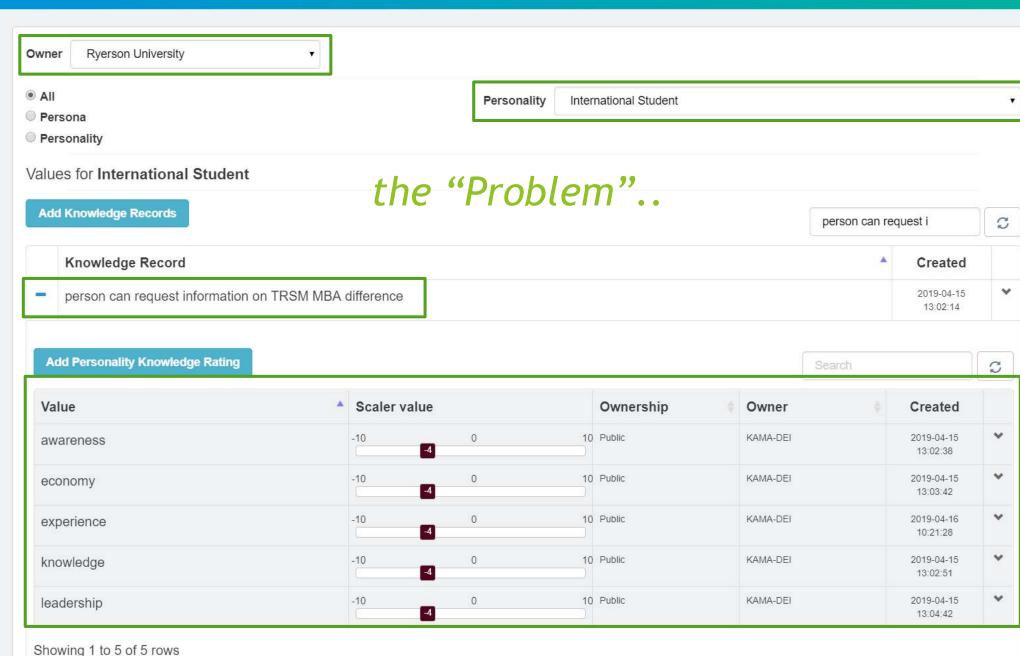
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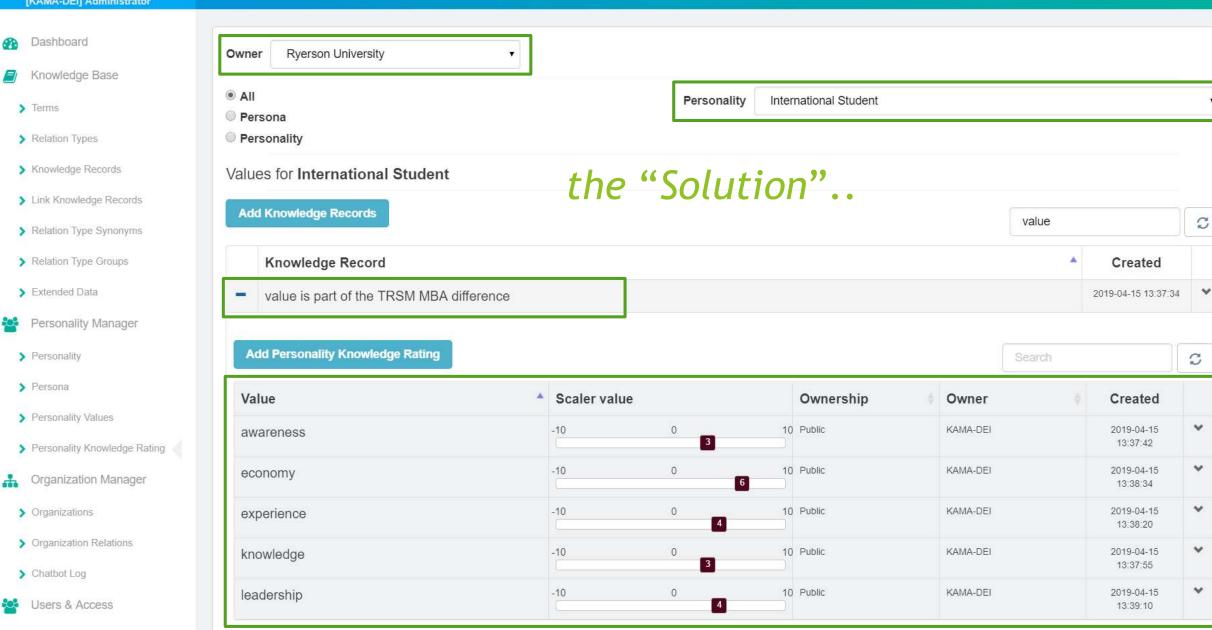












https://login.kama-dei.com/panel/pm/personality\_relation\_value#

Showing 1 to 5 of 5 rows

> Users



### Additional information...

Typical Customer Implementation







Discovery & Design:

Investigate requirements

Understand integration points (customer list, enterprise data etc.)
Acquire sample data

Development:

Design & Develop any solution gaps or integrations

Implement req'd. Extended Data elements

Prepare Chatbot for customer website

Demonstration:

Review key elements of solution from enduser and customer perspectives

Customer feedback on solution design

**Customer Support:** 

Train customer staff on Kama-DEI operation

Coach and support customer through additional data load

Pilot Launch:

Activate chatbot and test with employees and friendly customers

Track log files and identify opportunities for enhancement

Commercial Launch:

Additional Support as required

Possible managed service for ongoing conversation maintenance and epansion

Full launch process can take as little as 1-3 months.

# Typical Launch Plan

## Responsibility Matrix

Requirement/Task	KDC	Customer
Discovery session(s)	$\checkmark$	$\checkmark$
Customer Journey Definition(s)	$\checkmark$	$\checkmark$
Data & Solution Modeling	$\checkmark$	
Solution Modeling & Sample Data Entry	$\checkmark$	
Incremental Development	$\checkmark$	
Persona Development (customer or buyer types)	$\checkmark$	$\checkmark$
Kama-DEI Product Training	$\checkmark$	
Production Data Fill & Management		$\checkmark$
Ongoing Support	$\checkmark$	
Optional Managed Service for chat/AI maintenance		