TUX4ENG

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All these modules have been developed to make kids learn some basic english while playing games.

Softwares Used

Game Engine: Unity-5.0
Operating System: Windows-7 Ultimate
Designing: Paint.net

Module structure

You can find all the scripts written in C# in "Script" folder, sprites in "Prefebs" and sounds in Audio folder. Build folder has either the ".html" file for web or ".apk" file for android. Initial 4 modules have been developed for web and from module-5 to module-9 for android.

Tutorials

Module-1

In this modules alphabets appear on the screen and player need to type that same alphabet in the input box. Player will get five lives in every level and will lose one life for each wrong answer. This level is designed to make player familiar with keyboard.

A   B   C   D   E   F   G   H   I

J   K   L   M   N   O   P   Q   R

S   T   U   V   W   X   Y   Z

Module-2

This module is being designed to learn and memorise basic spellings.

A -> Apple   B-> Ball   C -> Cat   D-> Dog

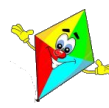| E -> Elephant	F-> Fish	G -> Gun	H-> Hen

I -> Inkpot	J-> Jug	K -> Kite	L-> Lion

M -> Monkey	N-> Nest	O -> Orange	P-> Peacock

Q -> Queen	R-> Rat	S -> Ship	T-> Tree

U -> Umbrella	V-> van	W -> Watch	X-> Xray
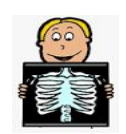
Y -> Yak	Z-> Zebra

Module-3

This module is being designed to test the knowledge of vowels, consonants and articles.

Level-3.1

In this player need to identify if the image of alphabet which is appearing on the screen is a vowel or a consonant.

Vowels
A, E, I, O, U

Consonants
B,C,D,F,G,H,J,K,L,M,N,P,Q,R,S,T,V,W,X,Y,Z

Level-3.2

This level tests basic abilities of making a word plural and teaches player where to use 'S' and 'ES'.

Rules for making plural:
if a word ends in -s, -sh, -ch, -x, or -z, you add -es else you add s.

Apple -> S	Adfix -> ES
box -> ES	Ball -> ES
Cat -> S	Cloth -> ES
Dog -> S	Dish -> ES
Elephant -> S	Ex -> ES
Fish -> ES	Face -> S
Lens -> ES	Lion -> S
Mattress -> ES	Inch -> ES
Orange -> S	Jess -> ES
Kite -> S	Monk -> S

Nest -> S   Orris -> ES
Peacock -> S   Patch -> ES
Queen -> S   Rich -> ES
Rat -> S   Gun -> S
Gas -> ES   House -> S
Mouse -> S   Nest -> S
Inkpot -> S   Kish -> ES
Ship -> S   Taxi -> S
Tree -> S   Umbrella -> S
Van -> S   Watch -> ES
Wood -> S   Xray -> S
Yak -> S   Yes -> ES
Zebra -> S

Level-3.3

In this level player will learn to use articles 'A' and 'AN'.

A: If the spelling starts with sound of consonant then "A" will be used with it.
AN: If the spelling starts with sound of vowel then "AN" will be used as an article.

Apple -> AN   Adfix -> AN
box -> A   Ball -> A
Cat -> A   Cloth -> A
Dog -> A   Dish -> A
Elephant -> AN   Ex -> AN
Fish -> A   Face -> A
Lens -> A   Lion -> A
Mattress -> A   Inch -> AN
Orange -> AN   Jess -> A
Kite -> A   Monk -> A
Nest -> A   Orris -> AN
Peacock -> A   Patch -> A
Queen -> A   Rich -> A
Rat -> A   Gun -> A
Gas -> A   House -> A
Mouse -> A   Nest -> A
Inkpot -> AN   Kish -> A
Ship -> A   Taxi -> A
Tree -> A   Umbrella -> AN
Van -> A   Watch -> A
Wood -> A   Xray -> A
Yak -> A   Yes -> A
Zebra -> A

Module-4.1

In this module, Fruits and Vegetables will appear in the center and four options will be given, player need to hit the correct option.
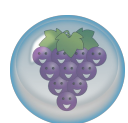
Apple	Banana	Brinjal	Carrot	Coconut	Grapes

Guava	Lemon	Litchi	Mango	Mushroom	Onion

Orange	Papaya	Peach	Pear	Peas	Pineapple

Potato	Strawberry	Tomato			

Module-4.2

In this module animals will appear on the screen instead of fruits/vegetables.

Buffalo	Camel	Cat	Cow	Crane	Crow
Dog	Donkey	Duck	Elephant	Goat	Hen
Horse	Monkey	Panda	Peacock	Parrot	Penguin
Rabbit	Rat	Sheep	Snake	Sparrow	Tiger
Turtle	Yak	Zebra			

Module-4.3

In this module, color of screen will change and four options will be given, Player need to click the button with correct option.
In further levels, screen will be divided into some parts and player need to tell the correct section.
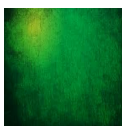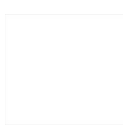
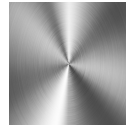| Red	Blue	Green	Yellow	Orange	Purple
Pink	Brown	Black	white	Silver	Golden

Module-4.4

This module is to make player learn some basic counting.

1 → one	2 → Two	3 → Three	4 → Four	5 → Five	6 → Six

7 → Seven	8 → Eight	9 → Nine	10 → Ten	11 → Eleven	12 → Twelve
13 → Thirteen	14 → Fourteen	15 → Fifteen	16 → Sixteen	17 → Seventeen	18 → Eighteen
19 → Nineteen	20 → Twenty				

Module-4.5

In this player learns about expressions.

Angry	Confident	Confused	Disgusting	Ecstatic
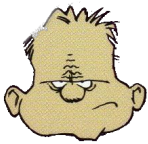
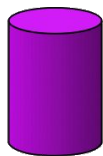| Frustrated	Happy	Hopeful	Hysteric	Lonely

Sad	Surprised

Module-4.6

In this module player gets to know about some basic mathematical shapes.

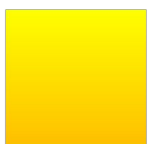| Cone	Cylinder	Circle	Hexagon	Octagon
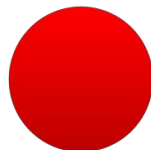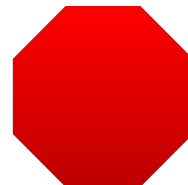
Oval	Sphere	Pentagon	Pyramid	Rectangle

Square	Star	Trapezoid	Triangle	Cuboid

Module-5

Follow the instructions provided during the games.

Module-6

Follow the instructions provided during the games.

Module-7

In this module, starting letter will appear in the first box and player need to write all spellings starts from that letter in the box given below the first box.

Level-1

A → 2 → Apple, Avocado
B → 4 → Banana, Brinjal, Blackberry, Blueberry
C → 3 → Carrot, Corn, Coconut
G → 2 → Grapes, Guava
L → 2 → Lemon, Litchi
M → 3 → Mango, Mushroom
O → 2 → Onion, Orange
P → 3 → Papaya, Pineapple, Potato
PE → 3 → Pear, Peas, Peach
S → 1 → Strawberry
T → 1 → Tomato

Level-2

P → 4 → Panda, Parrot, Peacock, Penguin
Y → 1 → Yak
C → 3 → Cat, Cow, Crane
Z → 1 → Zebra
D → 3 → Dog, Donkey, Duck
E → 1 → Elephant
R → 2 → Rat, Rabbit
S → 3 → Sheep, Snake, Sparrow
T → 2 → Tiger, Turtle
G → 1 → Goat
B → 1 → Buffalo
H → 2 → Hen, Horse
M → 1 → Monkey

Level-3

It is a mix of both level-1 and level-2
A → 2 → Apple, Avocado
B → 4 → Banana, Brinjal, Blackberry, Blueberry
D → 3 → Dog, Donkey, Duck
E → 1 → Elephant
G → 3 → Goat, Grapes, Guava
H → 2 → Hen, Horse
L → 2 → Lemon, Litchi
M → 3 → Mango, Monkey, Mushroom
O → 2 → Onion, Orange
P → 2 → Pineapple, Potato
R → 2 → Rat, Rabbit
S → 4 → Sheep, Snake, Sparrow, Strawberry
T → 3 → Tiger, Turtle, Tomato
Y → 1 → yak
Z → 1 → Zebra,
C A→ 2 → Cat, Carrot
CO → 3 → Cow, Coconut, Corn
PE → 5 → Peacock, Penguin, Pear, Peas, Peach
PA → 3 → Papaya, Parrot, Panda

Module-8

In this, A matrix of alphabets will be given and player need to find all possible spellings of vegetables/animal (which he has learnt in previous modules) which can be made from those alphabets.

Possible spellings

Level-1

Apple	Ball	Cat
Rat	Carrot	Parrot

Level-2

Banana	Orange	Cat	Camel	Rat
Tiger	Lemon	Mango	Corn	Carrot

Level-3

Elephant	Hen	Parrot	Yak	Penguin	Dog	Pineapple
Potato	Goat	Pear	Turtle	Rat	Orange	Onion
Panda	Grape	Donkey	Kite	Apple	Papaya	Tiger

Module-9

In this, Player need to identify objects with the help of their definitions.

Camel
 A large long necked mammal ,It can survive for long periods without food or drink, chiefly by using up the fat reserves in their humps.

Cat
A small mammal with soft fur. It is widely kept as a pet or for catching mice.

Cow
A fully grown female animal of a domesticated breed of ox, kept to produce milk or beef.

Dog
A mammal that typically has a long snout, an acute sense of smell, and a barking, howling, or whining voice.

Donkey
A domesticated hoofed mammal of the horse family with long ears and a braying call, used as a beast of burden.

Tiger
A big cat with orange and black stripes.

Penguin
A black and white bird which can not fly and lives in snow.

Panda
A black and white bear which eat bamboo.

Lion
A big cat that roars.

Snake
A long thin reptile which hisses and bites. It can be poisonous.

Elephant
A very large plant-eating mammal with a trunk.

Duck
A waterbird with a broad blunt bill, short legs, webbed feet, and a waddling gait.

Horse
A solid-hoofed plant-eating mammal with a flowing mane and tail, used for riding, racing, and to carry and pull loads.

Monkey

A type of animal that is closely related to apes and humans and that has a long tail and usually lives in trees.

Parrot

A bright-colored tropical bird that has a curved bill and the ability to imitate speech.

Peacock

A large male bird that has a very long bright blue and green tail that it can lift up and spread apart like a fan.

Rabbit

A plant-eating mammal, with long ears, long hind legs, and a short tail.

Turtle

A marine reptiles that have a toothless horny beak and a hard shell to protect it.

Apple

A round fruit with red, yellow, or green skin and firm white flesh.

Banana

A long curved fruit with a thick greenish yellow peel that is yellowish white when it is ripe.

Brinjal

Dark Purple/green a very low calorie vegetable and has healthy nutrition profile.

Carrot

The long orange/Red root of a plant that is eaten as a vegetable.

Coconut

A large fruit that has a thick hard brown/green shell with white flesh and liquid inside it and that grows on a palm tree.

Grape

A green, dark red, or purplish-black berry that is used to make wine or is eaten as a fruit.

Guava

The sweet yellow fruit of a tropical American tree.

Lemon

A yellow citrus fruit that has a sour taste a bright yellow color.

Litchi

The fruit of an Asian tree that has a hard outer covering and a seed surrounded by sweet white flesh.

Mango

A juicy tropical fruit that has firm yellow and red skin and a hard seed at its center.

Mushroom

A fungus that is shaped like an umbrella; especially : one that can be eaten.

Papaya

A yellowish-green fruit with black seeds and orange flesh that grows on a tropical tree.

Orange

A citrus fruit that is round and that has an reddish yellow skin with pulpy slices inside, a color between red and yellow that is like the color carrots.

Peach

A round, sweet fruit that has white or yellow flesh, soft yellow or pink skin, and a large, hard seed at the center.

Peas

A small, round, green seed that is eaten as a vegetable and that is formed in a seed case.

Pear

A sweet fruit that is narrow near the stem and rounded at the other end and that grows on a tree.

Pineapple
A large fruit that grows on a tropical tree and that has thick and very rough skin and very sweet, juicy, yellow flesh.

Potato
A starchy plant root brown colored with yellowish white flesh inside which is one of the most important food crops, cooked and eaten as a vegetable.

Tomato
A round, soft, red fruit that is eaten raw or cooked and that is often used in salads, sandwiches, sauces.

FINISH