![A picture containing food

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4REQRXhpZgAATU0AKgAAAAgABAE7AAIAAAAXAAAISodpAAQAAAABAAAIYpydAAEAAAAuAAAQ2uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAENvdXJ0bmV5IER1YmIgfCBDYXJHZXQAAAAFkAMAAgAAABQAABCwkAQAAgAAABQAABDEkpEAAgAAAAM3NQAAkpIAAgAAAAM3NQAA6hwABwAACAwAAAikAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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**Research:**

**According to data supplied by** [**https://www.un.org/sustainabledevelopment/hunger/**](https://www.un.org/sustainabledevelopment/hunger/)

*“Current estimates show that*[*nearly 690 million people are hungry, or 8.9 percent of the world population*](http://www.fao.org/publications/sofi/2020/en/)*– up by 10 million people in one year and by nearly 60 million in five years.*

*The world is not on track to achieve Zero Hunger by 2030. If recent trends continue, the number of people affected by hunger would surpass 840 million by 2030.*

*According to the World Food Programme,*[*135 million suffer from acute hunger*](https://www.wfp.org/publications/2020-global-report-food-crises)*largely due to man-made conflicts, climate change and economic downturns. The COVID-19 pandemic could now double that number, putting an additional 130 million people at risk of suffering acute hunger by the end of 2020.”Immediate and decisive action needs to be taken to provide food and humanitarian relief to the most at-risk regions.*

**“Food insecurity remains a major policy challenge in South Africa. One in five children display stunted growth – an indicator of chronic malnutrition. Yet since South Africa’s democratic transition in 1994, social protection programmes – including social grants, the Expanded Public Works Programme, and the National School Nutrition Programme – have increased dramatically. contribution to the eradication of food insecurity and hunger, and to identify how this contribution can be enhanced.”**

**Facts and Figures on hunger:**

* Current estimates are that nearly [690 million people](http://www.fao.org/3/ca9692en/online/ca9692en.html#chapter-1_1) are hungry, or 8.9 percent of the world population – up by 10 million people in one year and by nearly 60 million in five years.
* The majority of the world’s undernourished –[381 million](http://www.fao.org/3/ca9692en/online/ca9692en.html#chapter-1_1) – are still found in Asia. More than 250 million live in Africa, where the number of undernourished is growing faster than anywhere in the world.
* In 2019, close to 750 million – or [nearly one in ten people in the world](http://www.fao.org/3/ca9692en/online/ca9692en.html#chapter-1_1) – were exposed to severe levels of food insecurity



6.6 million people

The proportion of **people** vulnerable to hunger more than halved between 2002 and 2018 but according to Statistics **SA's** 2018 General Household Survey, 6.6 million **people** in **SA** still experienced hunger in 2018



**SDG 2 – Zero hunger Targets:**

**2.1**By 2030, end hunger and ensure access by all people, in particular the poor and people in vulnerable situations, including infants, to safe, nutritious and sufficient food all year round.

**2.2** By 2030, end all forms of malnutrition, including achieving, by 2025, the internationally agreed targets on stunting and wasting in children under 5 years of age, and address the nutritional needs of adolescent girls, pregnant and lactating women and older persons.

**2.3** By 2030, double the agricultural productivity and incomes of small-scale food producers, in particular women, indigenous peoples, family farmers, pastoralists and fishers, including through secure and equal access to land, other productive resources and inputs, knowledge, financial services, markets and opportunities for value addition and non-farm employment.

**2.4** By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality.

**2.5** By 2020, maintain the genetic diversity of seeds, cultivated plants and farmed and domesticated animals and their related wild species, including through soundly managed and diversified seed and plant banks at the national, regional and international levels, and promote access to and fair and equitable sharing of benefits arising from the utilization of genetic resources and associated traditional knowledge, as internationally agreed.

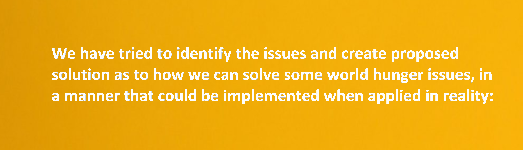
**2.A** Increase investment, including through enhanced international cooperation, in rural infrastructure, agricultural research and extension services, technology development and plant and livestock gene banks in order to enhance agricultural productive capacity in developing countries, in particular least developed countries.

**2.B** Correct and prevent trade restrictions and distortions in world agricultural markets, including through the parallel elimination of all forms of agricultural export subsidies and all export measures with equivalent effect, in accordance with the mandate of the Doha Development Round.

**2.C**Adopt measures to ensure the proper functioning of food commodity markets and their derivatives and facilitate timely access to market information, including on food reserves, in order to help limit extreme food price volatility

Further reading: <https://www.un.org/esa/socdev/family/docs/egm09/Mutangadura.pdf>

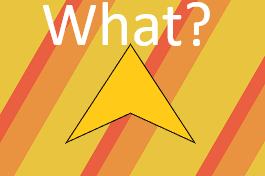
**Problem Statement:**



**To help us do this we have answered the following questions:**







* **Meet the immediate needs of South Africa’s vulnerable populations**
* **Keep global food trade going**
* **Keep the domestic supply chain gears moving**
* **Support smallholder farmer’s ability to increase food production**
* **Boost social protection programmes**

<https://foodsecurity.ac.za/programmes/social-protection-for-food-security/>

**World population expected to grow to 9 billion by 2050, smaller rural labour force, soil quality degradation, climate change, food wastage, water scarcity, biofuel production and changing lifestyles leading to urbanization and more protein-intensive diets.**

Zero Hunger : a world where there is no hunger and is part of the Zero Hunger Challenge. ... Definition: A world food programme that prevents food wastage and create a world where there is no hunger. The programme will tackle food security challenges and ensure access to nutritious food by all

**How?**

**Our site links to multiple organizations that have existing and established programmes in place that will help feed vulnerable communities, by supplying food directly or by supporting farmer’s to get their produce stocked and shipped, by promoting imports and by creating agricultural equipment that is designed specifically for the dryer regions in Africa, are water efficient, help the dry soil become nutritious and in turn help feed communities.**

**Covid19 has impacted society as a whole and underprivileged communities the most. It has exposed the vulnerabilities that were already there.**

* **South Africa entered hard lockdown on 27 March 2020 to help flatten the Covid19 curve.**
* **A National survey conducted by The Conversation (**[**https://theconversation.com/south-africa-faces-mass-hunger-if-efforts-to-offset-impact-of-covid-19-are-eased-143143**](https://theconversation.com/south-africa-faces-mass-hunger-if-efforts-to-offset-impact-of-covid-19-are-eased-143143)**) concluded that 2 out of 5 adults who were interviewed within the first 4 months of lockdown had noted that they lost their jobs and or income and their households suffering as a direct result. This has had devastating consequences for household food security and hunger.**

**From the interviews conducted, the following data was revealed:**

* **47% reported they ran out of money to buy food in April.**
* **21% reported that at least 1 person in their household had to endure going without food for a week.**
* **15% reported that at least 1 child went hungry.**

**The three** **channels of social protection government have used to safeguard livelihoods are as follows:**

**Social insurance entailing the COVID-19 Temporary Employer-Employee Relief Scheme, grants, and localised social relief efforts.**

**Community based organisations such as faith-based organisations and NGOs also put in much needed efforts to aid with feeding schemes and relief funds.**

**Well over 1 million food parcels needed to be distributed and this amount was not nearly enough. Many people continue to suffer as a direct result of the economic impact Covid19 lockdown has had on the economy and job security.**

## The national school nutrition programme was suspended while schools closed, leaving millions of children unfed. Many of these children relied on the school programme meal as their only source of food for the day.

## The study

Our research was undertaken as part of the National Income Dynamics Study – Coronavirus Rapid Mobile Survey ([NIDS-CRAM](https://cramsurvey.org/)). This is a broadly nationally representative panel survey of 7,000 South Africans done every month. The aim was to provide rapid data on key outcomes such as unemployment, household income, child hunger and access to government grants.

To complement our analysis of this quantitative data, we conducted telephonic interviews with key informants who were able to provide information about the provision of food relief during lockdown.

Others were able to comment on the connection between social relief (including school nutrition) and social protection. The interviewees were drawn from the government, NGOs, community-based organisations, faith-based organisations, humanitarian organisations and philanthropic initiatives.

Some of our findings were that:

* the increases in social grants for [six months](https://www.power987.co.za/news/covid-19-government-allocates-r50-billion-for-social-grants-for-six-months/) by the government have played a vital role in providing relief to households and are generally well targeted. But they are insufficient to address food poverty associated with a loss of income during the lockdown. Food poverty in households that receive a child support grant, which benefits [12.5 million children](https://theconversation.com/south-africa-can-and-should-top-up-child-support-grants-to-avoid-a-humanitarian-crisis-135222), is exacerbated through income loss. The situation would have been much worse without the top-up grants, however.
* there have been significant delays in Unemployment Insurance Fund [(UIF) payouts](https://rekordeast.co.za/344696/payments-held-up-as-some-companies-claim-for-the-dead-says-uif/). This needs to be addressed urgently to support households where formal sector jobs have been lost. These payouts are much larger than grant top-ups, and cover gaps in lost household income from earnings more effectively.
* both the survey data and interviews with key informants indicate that well targeted, localised social relief efforts need to be continued and bolstered as a stop-gap measure to reach those not covered by social insurance or social assistance.
* where community efforts at supporting vulnerable households are well targeted, this reinforces the need for effective local information flows to inform social relief efforts, and
* while the country’s social assistance system is [expansive in reach](https://theconversation.com/south-africa-has-raised-social-grants-why-this-shouldnt-be-a-stop-gap-measure-138023), it has not been able to address the needs of large sectors of the population who are unemployed or in informal employment, and who do not qualify for social insurance.

## Next steps

As South Africans have experienced significant shocks to their livelihoods, the threat of hunger presents a major concern for health, political and social stability. The nation cannot rebuild and recover economically when large groups of people are hungry.



**Links:**

**Empowering Network Databases – for farmers, communities:**

<https://www.empowering-people-network.siemens-stiftung.org/en/solutions/foodagriculture/?gclid=EAIaIQobChMItfS-2tb36gIVZGHmCh2V2wO3EAAYAyAAEgJubvD_BwE>

<https://sdgcompass.org/sdgs/sdg-2/>

<http://www.statssa.gov.za/publications/Report-03-19-00/Report-03-19-002002.pdf>

**For those who wish to donate:**

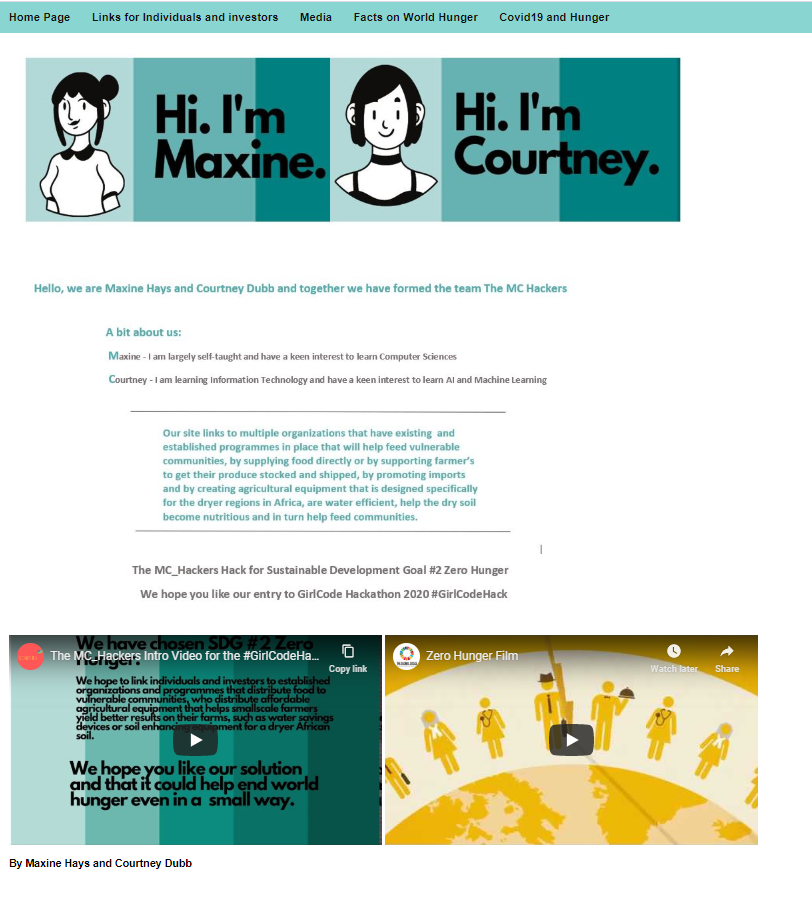
www.sagreenfund.org.za

[www.mdpi.com](http://www.mdpi.com)

[www.scielo.org.za](http://www.scielo.org.za)

**Our webapp:**

**Home Page:**



**­The Code: (Technologies used, html,Css,Javascript, embed code from Youtube and Canva Video Creator for introduction video, Notepad ++, Github)**

<!DOCTYPE html>

<html>

<body>

<head>

<style>

body {

margin: 0;

font-family: Arial, Helvetica, sans-serif;

}

.topnav {

overflow: hidden;

background-color: #89D5D2;

}

.topnav a {

float: left;

color: #111111;

text-align: center;

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</div>

<p></p>

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<img src="img\_orange\_flowers.jpg" alt="Flowers" style="width:auto;"></picture>

<br>

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<footer> <p>By Maxine Hays and Courtney Dubb <br></footer>

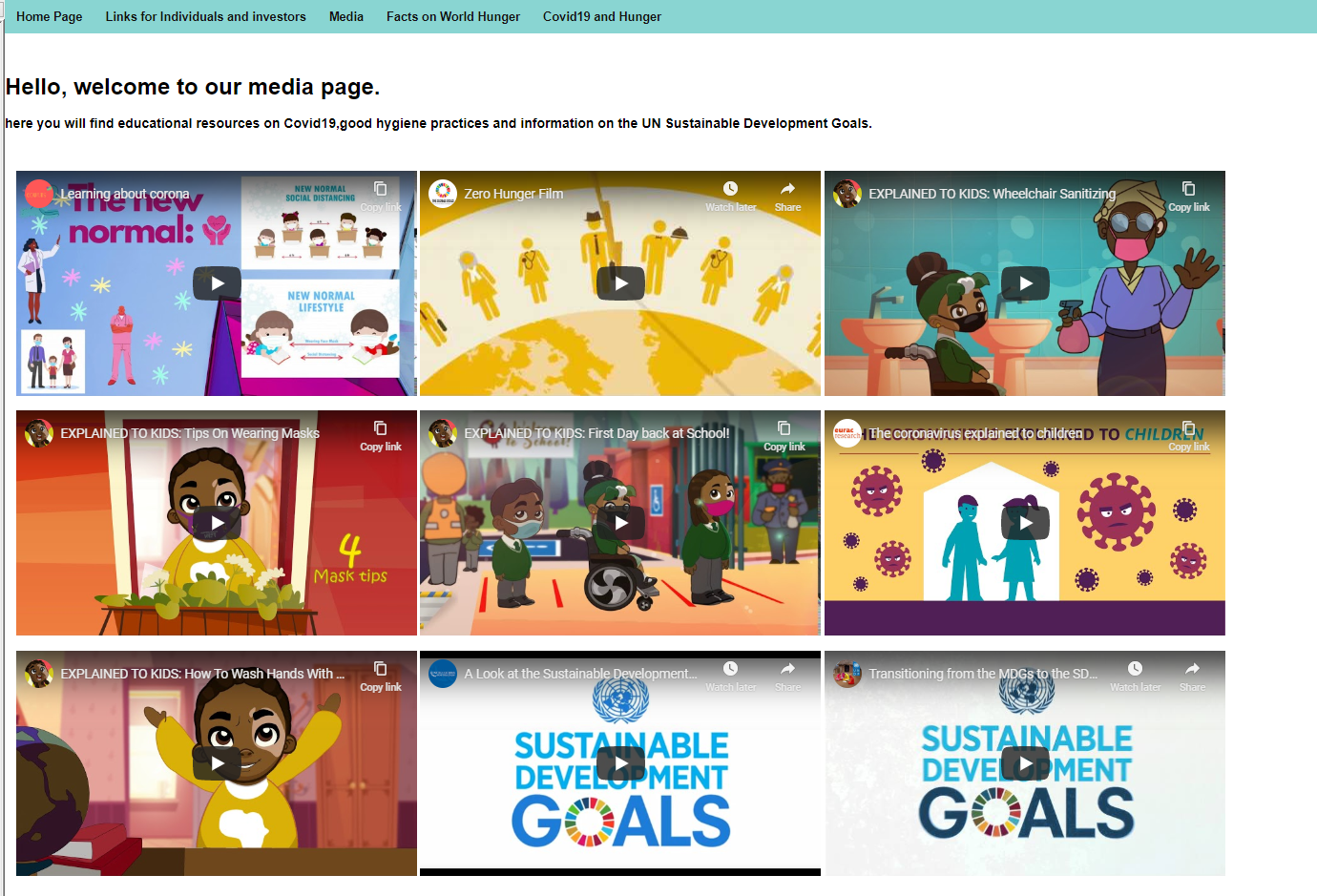
</div>

</body>

</html>

**Media Page:**

**Given more time to develop and add onto the site, the idea here is to link learning resources on Covid19, Agriculture, Sustainable farming, permaculture and horticulture guides and more resources and training to help communities, individuals and small holding farmers get access to learning material.**



**­The Code: (Technologies used, html,Css,Javascript, embed code from Youtube and Canva Video Creator for introduction video, Notepad ++, Github)**

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<div class="topnav">

<b><a class="active" href="#home">Home Page</a><b/>

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<a href="#contact">Media</a>

<a href="#about">Facts on World Hunger</a>

<a href="#about">Covid19 and Hunger</a>

</div>

<p></p><p></P><br>

<h1>Hello, welcome to our media page.</h1>

<h3> here you will find educational resources on Covid19,good hygiene practices and information on the UN Sustainable Development Goals. </h3><br><br>

<div style="padding-left:16px">

<iframe width="560" height="315" src="https://www.youtube.com/embed/jb7K4aBdSpE" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<iframe width="560" height="315" src="https://www.youtube.com/embed/iteCytv0RqY" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<iframe width="560" height="315" src="https://www.youtube.com/embed/XFO-e-eX4uQ" frameborder="0" allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>

<p></p>

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<p></p>

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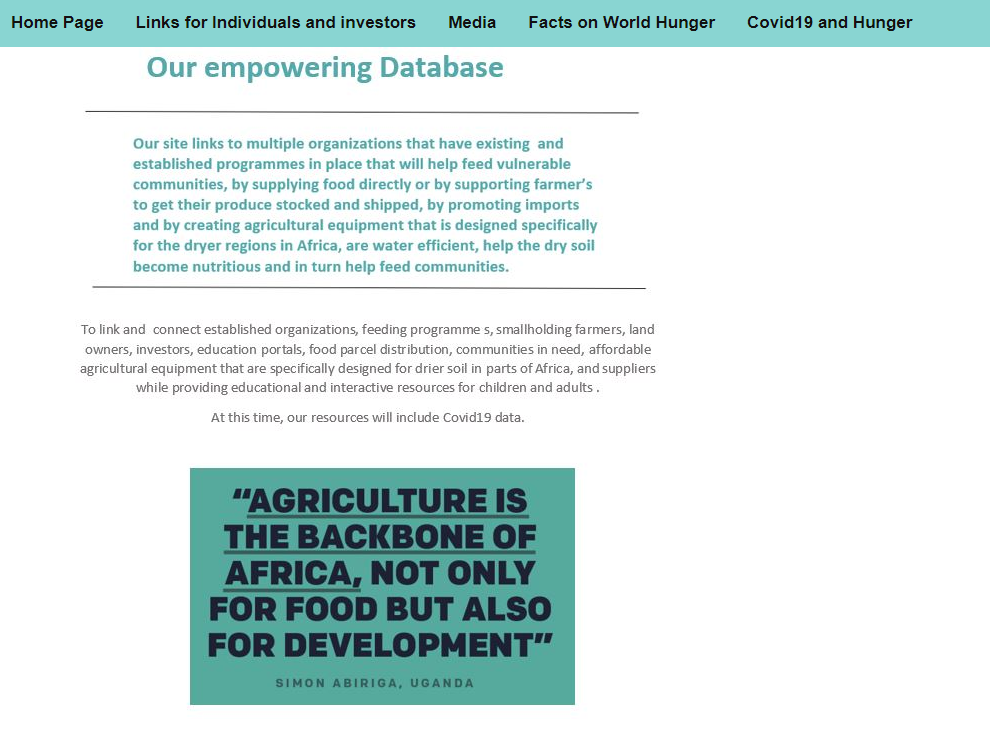
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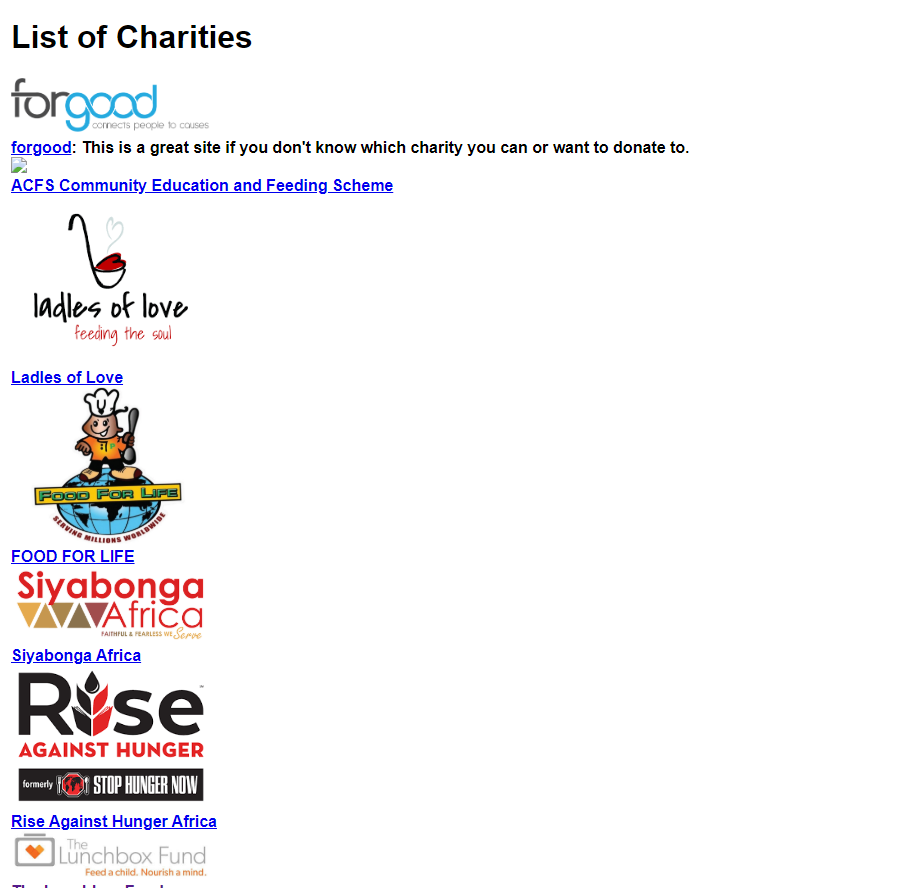
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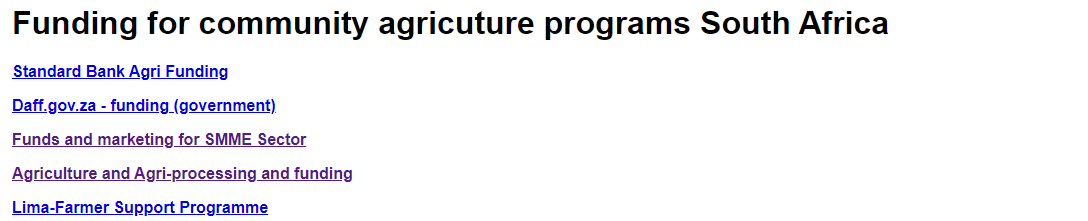
</html>

**Our Linked Database – links to external resources, education. Given more time to develop the database, we will add a full listing directory and eventually add a “donate button” to help link funds with relevant organizations as well as a full on database sign up section for relevant suppliers, farmer’s providers etc to sign up and link up with eachother.**









**­The Code: (Technologies used, html,Css,Javascript, embed code from Youtube and Canva Video Creator for introduction video, Notepad ++, Github)**

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<html>

<body>

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.topnav {

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<div class="topnav">

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</div>

<div style="padding-left:16px">

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<source media="(min-width:165px)" srcset="C:\Users\CourtneyDubbCarGet\Desktop\empowa.JPG">

<img src="img\_orange\_flowers.jpg" alt="Flowers" style="width:auto;">

</picture>

<div class="charityList">

<h1> List of Charities </h1>

<a href="https://www.forgood.co.za/"><img src="C:\Users\CourtneyDubbCarGet\Desktop\forgood-logo-black-200x100.jpg" width="200px" /> <br>forgood</a>: This is a great site if you don't know which charity you can or want to donate to. <br>

<a href="https://acfs.org.za/"><img src="iC:\Users\CourtneyDubbCarGet\Desktop\ACFS.jpg" width="200px" /> <br>ACFS Community Education and Feeding Scheme</a><br>

<a href="https://www.ladlesoflove.org.za/"><img src="C:\Users\CourtneyDubbCarGet\Desktop\ladelsoflove.jpg" width="200px" /> <br>Ladles of Love</a><br>

<a href="https://www.fflsa.org/"><img src="C:\Users\CourtneyDubbCarGet\Desktop\FoodForLife.jpg" width="200px" /> <br>FOOD FOR LIFE</a><br>

<a href="https://www.siyabongaafrica.org.za/"><img src="C:\Users\CourtneyDubbCarGet\Desktop\SiyaAfri.jpg" width="200px" /><br>Siyabonga Africa</a><br>

<a href="http://rahafrica.org/"><img src="C:\Users\CourtneyDubbCarGet\Desktop\RiseAgainstHunger.jpg" width="200px" /><br>Rise Against Hunger Africa</a><br>

<a href="https://www.thelunchboxfund.org/"><img src="C:\Users\CourtneyDubbCarGet\Desktop\TheLunchboxFund.jpg" width="200px" /><br>The Lunchbox Fund</a><br>

<a href="https://foodforwardsa.org/"><img src="C:\Users\CourtneyDubbCarGet\Desktop\Food.jpg" width="200px" /><br>FoodForward SA</a><br>

</div>

<div class="AgriSupplies">

<h1> Agricultural Supplies (Affordable for smallscale farming) </h1>

<p><a href="http://www.fao.org/3/y1860e/y1860e04.htm>FAO/a></p>

<p><a href="https://www.nda.agric.za/docs/Policy/policy98.htm>Agriculture Policy in South Africa</a></p>

<p><a href="http://www.scielo.org.za/scielo.php?script=sci\_arttext&pid=S0301-603X2016000100003">Study done on limitations emerging farmer's face</a></p>

<p><a href="https://www.tralac.org/images/docs/6460/agriculture-in-africa-transformation-and-outlook.pdf>NEPAD - transformation and outlook in South Africa/Africa</a></p>

<p><a href="https://link.springer.com/article/10.1007/BF03179981/">Article -resources and nutrition on famr land/soil quality</a></p>

<p><a href="https://www.gov.za/issues/govt-programmes-economic-opportunities/land-agriculture?gclid=EAIaIQobChMI6abD6vX66gIVGLLtCh361AvLEAAYASAAEgIv2fD\_BwE">Gov.ZA Resources</a></p>

<p><a href="https://www.agri-land.co.za/">Farmable land for sale</a></p>

<p><a href="http://www.safarmtraders.co.za/">Farmable land for sale</a></p>

<p><a href="https://theangelnetwork.co.za/">The Angel Network</a></p>

</div>

<div class="Funding">

<h1>

Funding for community agricuture programs South Africa </h1>

<p><a href="https://www.nda.agric.za/doaDev/sideMenu/cooperativeandenterprisedevelopment/docs/FUNDING%20ORGANIZATIONS%20LIST%20-%2009-03.pdf>Funding Organization - Agri /a></p>

<p><a href="https://bizconnect.standardbank.co.za/sector-news/agriculturearticles/grants,-funding-and-incentives-for-agriculture-in-south-africa.aspx>Standard Bank Agri Funding</a></p>

<p><a href="https://www.greenagri.org.za/tips-and-tools/funding-and-incentives/>Greenagri -funding and incentives for emerging farmers</a></p>

<p><a href="https://www.daff.gov.za/daffweb3/Programme/Comprehensive-Agricultural-Support-Programme>Daff.gov.za - funding (government)</a></p>

<p><a href="https://agribook.co.za/marketing-finance/finance-for-new-farmers-and-smmes/">Funds and marketing for SMME Sector</a></p>

<p><a href="https://www.idc.co.za/agro-processing-agriculture/">Agriculture and Agri-processing and funding</a></p>

<p><a href="hhttps://lima.org.za/">Lima-Farmer Support Programme</a></p>

</div>

</body>

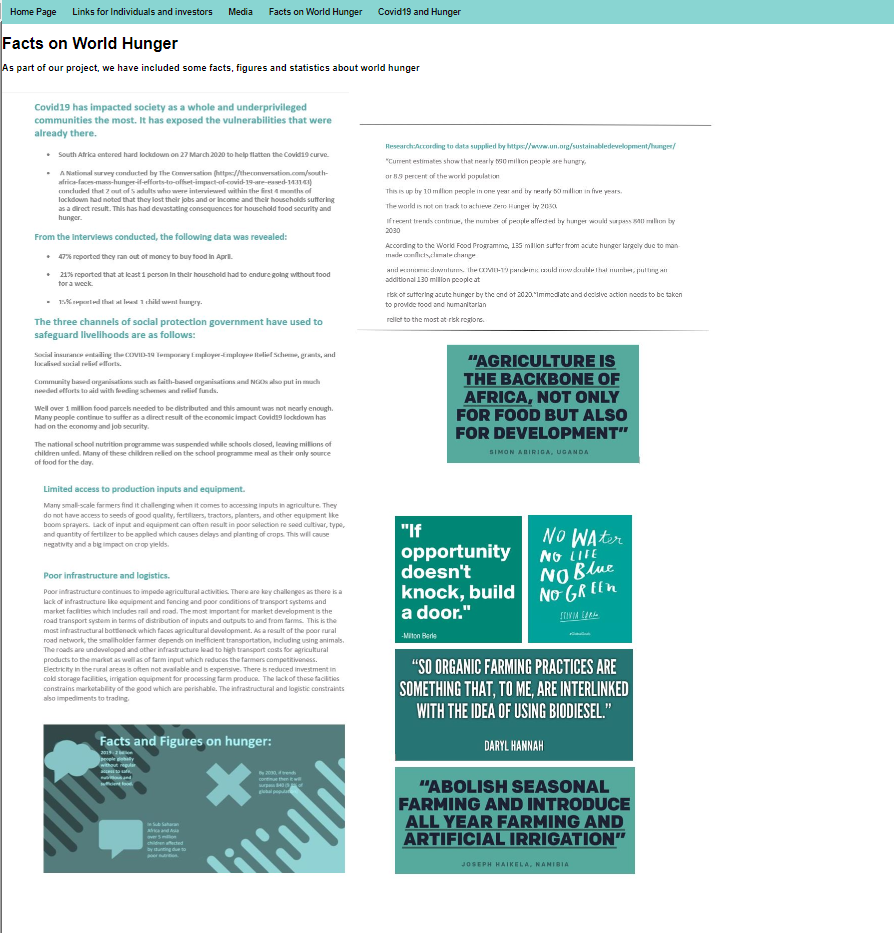
</html>

</div>

</body>

</html>

**Facts on World Hunger Page – statistics, data, research, facts on world hunger:**



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<a href="#about">Covid19 and Hunger</a>

</div><p></p>

<h1>Facts on World Hunger</h1>

<h3>As part of our project, we have included some facts, figures and statistics about world hunger</h3><br>

<picture>

<source media="(min-width:3050px)" srcset="C:\Users\CourtneyDubbCarGet\Desktop\ex.JPG">

<source media="(min-width:165px)" srcset="C:\Users\CourtneyDubbCarGet\Desktop\ex.JPG">

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<picture>

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</picture><br>

<picture>

<source media="(min-width:3050px)" srcset="C:\Users\CourtneyDubbCarGet\Desktop\Capture.JPG

">

<source media="(min-width:165px)" srcset="C:\Users\CourtneyDubbCarGet\Desktop\Capture.JPG

">

<img src="img\_orange\_flowers.jpg" alt="Flowers" style="width:auto;">

</picture>

<picture>

<source media="(min-width:3050px)" srcset="C:\Users\CourtneyDubbCarGet\Desktop\quotehub.JPG

">

<source media="(min-width:165px)" srcset="C:\Users\CourtneyDubbCarGet\Desktop\quotehub.JPG

">

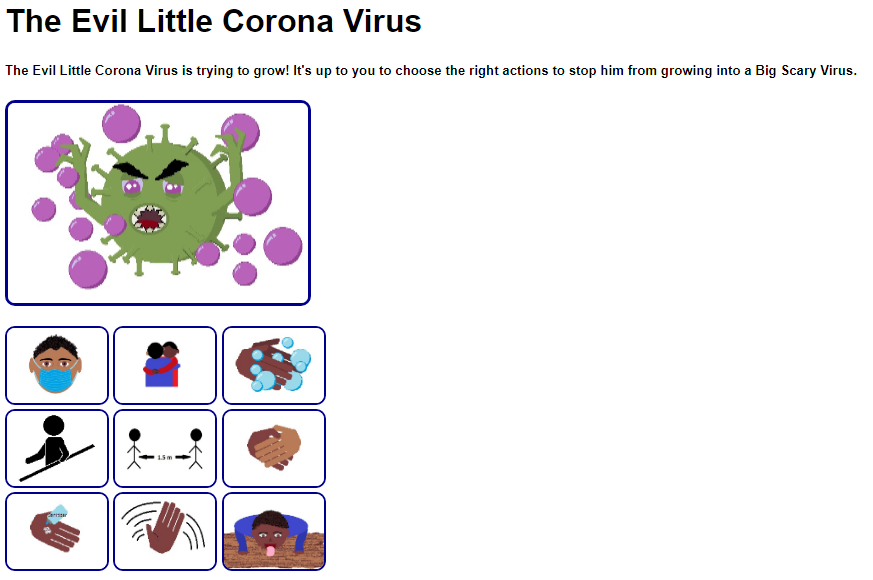
<img src="img\_orange\_flowers.jpg" alt="Flowers" style="width:auto;">

</picture>

</body>

</html>





**HTML:**

<!DOCTYPE html>

<html lang="en" >

<html>

<body>

<head>

<style>

body {

margin: 0;

font-family: Arial, Helvetica, sans-serif;

}

.topnav {

overflow: hidden;

background-color: #89D5D2;

}

.topnav a {

float: left;

color: #111111;

text-align: center;

padding: 14px 16px;

text-decoration: none;

font-size: 17px;

}

.topnav a:hover {

background-color: #89D5D2;

color: #89D5D2;

}

.topnav a.active {

background-color: #89D5D2;

color: #111111;

}

</style>

<style>

canvas {

border-style: solid;

border-color: darkblue;

height: 200px;

width: 300px;

border-radius: 10px;

}

input {

border: 2px solid darkblue;

border-radius: 10px;

}

noDisplay {

display: none;

}

mini {

border: 10px;

}

div {

border: double;

}

.charityList {

margin-left: 30px;

}

</style>

<body>

<div class="topnav">

<b><a class="active" href="#home">Home Page</a><b/>

<a href="#news">Links for Individuals and investors</a>

<a href="#contact">Media</a>

<a href="#about">Facts on World Hunger</a>

<a href="#about">Covid19 and Hunger</a>

</div>

<head>

</head>

<body onpageshow="randomVirus()">

<title>GirlCode Hackathon ENtry 2020</title>

<script type="text/javascript" src="MiniGame.js"></script

<div class = "miniGame">

<h5>The Evil Little Corona Virus is trying to grow! It's up to you to choose the right actions to stop him from growing into a Big Scary Virus. </h5>

<canvas id="canvas"> </canvas>

<label for="canvas">Evil Little Corona Virus</label>

<label for="actions"><u>Actions</u></label><br>

<aside id="actions">

<input type="image" id="aa" src="C:\Users\CourtneyDubbCarGet\Desktop\FaceMask.jpg" width="100px" height="75px" onclick="DoSomethingGood();"/>

<input type="image" id="bb" src="C:\Users\CourtneyDubbCarGet\Desktop\Hugs.jpg" width="100px" height="75px" onclick="DoSomethingBad();"/>

<input type="image" id="cc" src="C:\Users\CourtneyDubbCarGet\Desktop\WasHands.jpg" width="100px" height="75px" onclick="DoSomethingGood();" /><br>

<input type="image" src="C:\Users\CourtneyDubbCarGet\Desktop\TouchingPublicRailing.jpg" width="100px" height="75px" onclick="DoSomethingBad();" />

<input type="image" src="C:\Users\CourtneyDubbCarGet\Desktop\SocialDistancing.jpg" width="100px" height="75px" onclick="DoSomethingGood();" />

<input type="image" src="C:\Users\CourtneyDubbCarGet\Desktop\ShakingHands.jpg" width="100px" height="75px" onclick="DoSomethingBad();" /><br>

<input type="image" src="C:\Users\CourtneyDubbCarGet\Desktop\Sanitizing.jpg" width="100px" height="75px" onclick="DoSomethingGood();" />

<input type="image" src="C:\Users\CourtneyDubbCarGet\Desktop\Waving.jpg" height="75px" onclick="DoSomethingGood();" />

<input type="image" src="C:\Users\CourtneyDubbCarGet\Desktop\LickTheFloor.jpg" width="100px" height="75px" onclick="DoSomethingBad();" />

</aside>

<p id="noDisplay">

<img src="C:\Users\CourtneyDubbCarGet\Desktop\CoronaVirus0.jpg" alt="Evil Corona Virus" width="100px" height="75px" id="virus0"/>

<img src="C:\Users\CourtneyDubbCarGet\Desktop\CoronaVirus1.jpg" width="100px" height="75px" id="virus1"/>

<img src="C:\Users\CourtneyDubbCarGet\Desktop\CoronaVirus2.jpg" width="100px" height="75px" id="virus2"/>

<img src="C:\Users\CourtneyDubbCarGet\Desktop\CoronaVirus3.jpg" width="100px" height="75px" id="virus3"/>

<img src="C:\Users\CourtneyDubbCarGet\Desktop\CoronaVirus4.jpg" width="100px" height="75px" id="virus4"/>

<img src="C:\Users\CourtneyDubbCarGet\Desktop\CoronaVirus5.jpg" width="100px" height="75px" id="virus5"/>

<img src="C:\Users\CourtneyDubbCarGet\Desktop\CoronaVirus6.jpg" width="100px" height="75px" id="virus6"/>

</p> </p>

</div>

</head><p></p>

<div style="padding-left:16px">

</div>

</body>

</html>

**JavaScript:**

var controlElement = 3;

function DoSomethingGood(){

console.log("I'm fun");

var canvas= document.getElementById("canvas");

var ctx = canvas.getContext("2d");

if (controlElement == 2) {

var img = document.getElementById("virus1");

controlElement = 1;

ctx.drawImage(img, 0, 0, canvas.width, canvas.height);

}

else if (controlElement == 3) {

var img = document.getElementById("virus2");

controlElement = 2;

ctx.drawImage(img, 0, 0, canvas.width, canvas.height);

}

else if (controlElement == 4) {

var img = document.getElementById("virus3");

controlElement = 3;

ctx.drawImage(img, 0, 0, canvas.width, canvas.height);

}

else if (controlElement == 5) {

var img = document.getElementById("virus4");

controlElement = 4;

ctx.drawImage(img, 0, 0, canvas.width, canvas.height);

}

else if (controlElement == 6) {

var img = document.getElementById("virus5");

controlElement = 5;

ctx.drawImage(img, 0, 0, canvas.width, canvas.height);

}

else if (controlElement == 1) {

var img = document.getElementById("virus0");

controlElement = 0;

ctx.drawImage(img, 0, 0, canvas.width, canvas.height);

}

else if (controlElement == 0) {

var img = document.getElementById("virus0");

alert("You win! The evil Corona Virus has been stopped");

randomVirus();

}

}

function DoSomethingBad(){

console.log("I'm naughty");

var canvas= document.getElementById("canvas");

var ctx = canvas.getContext("2d");

if (controlElement == 0) {

var img = document.getElementById("virus1");

controlElement = 1;

ctx.drawImage(img, 0, 0, canvas.width, canvas.height);

}

else if (controlElement == 1) {

var img = document.getElementById("virus2");

controlElement = 2;

ctx.drawImage(img, 0, 0, canvas.width, canvas.height);

}

else if (controlElement == 2) {

var img = document.getElementById("virus3");

controlElement = 3;

ctx.drawImage(img, 0, 0, canvas.width, canvas.height);

}

else if (controlElement == 3) {

var img = document.getElementById("virus4");

controlElement = 4;

ctx.drawImage(img, 0, 0, canvas.width, canvas.height);

}

else if (controlElement == 4) {

var img = document.getElementById("virus5");

controlElement = 5;

ctx.drawImage(img, 0, 0, canvas.width, canvas.height);

}

else if (controlElement == 5) {

var img = document.getElementById("virus6");

controlElement = 6;

ctx.drawImage(img, 0, 0, canvas.width, canvas.height);

}

else if (controlElement == 6) {

var img = document.getElementById("virus6");

alert("The evil Corona virus has defeated you!");

randomVirus();

}

}

function randomVirus() {

console.log("Random Virus");

var canvas= document.getElementById("canvas");

var ctx = canvas.getContext("2d");

controlElement = Math.floor(Math.random() \* 7);

console.log(controlElement);

if (controlElement == 0) {

var img = document.getElementById("virus0");

}

else if (controlElement == 1) {

var img = document.getElementById("virus1");

}

else if (controlElement == 2) {

var img = document.getElementById("virus2");

}

else if (controlElement == 3) {

var img = document.getElementById("virus3");

}

else if (controlElement == 4) {

var img = document.getElementById("virus4");

}

else if (controlElement == 5) {

var img = document.getElementById("virus5");

}

else if (controlElement == 6) {

var img = document.getElementById("virus6");

}

ctx.drawImage(img, 0, 0, canvas.width, canvas.height);

}

**CSS:**

</style>

<head>

<link rel="stylesheet" href="/Main.css" >

</head>

<body onpageshow="randomVirus()">

<title>GirlCode Hackathon ENtry 2020</title>

@@ -58,7 +57,7 @@ <h5>The Evil Little Corona Virus is trying to grow! It's up to you to choose the

<img src="C:\Users\CourtneyDubbCarGet\Desktop\CoronaVirus3.jpg" alt="Evil Corona Virus" width="100px" height="75px" id="virus3"/>

<img src="C:\Users\CourtneyDubbCarGet\Desktop\CoronaVirus4.jpg" alt="Evil Corona Virus" width="100px" height="75px" id="virus4"/>

<img src="C:\Users\CourtneyDubbCarGet\Desktop\CoronaVirus5.jpg" alt="Evil Corona Virus" width="100px" height="75px" id="virus5"/>

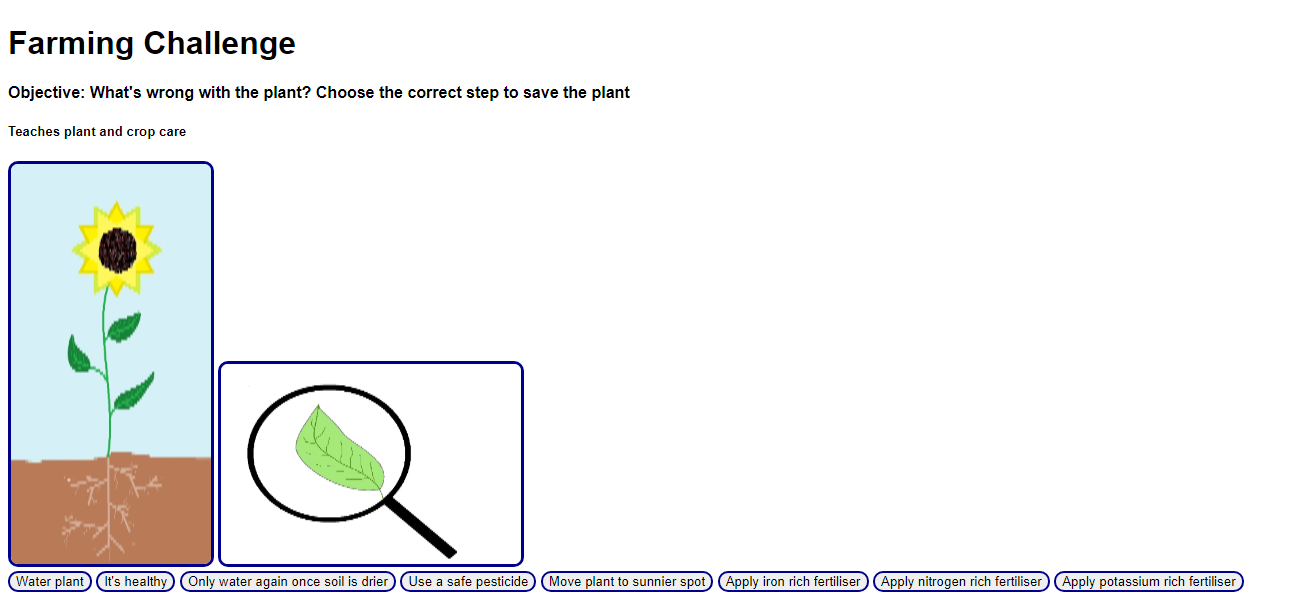
<img src="C:\Users\CourtneyDubbCarGet\Desktop\CoronaVirus6.jpg" alt="Evil Corona Virus" width="100px" height="75px" id="virus6"/>

<img src="C:\Users\CourtneyDubbCarGet\Desktop\CoronaVirus6.jpg" alt="Evil Corona Virus" width="100px" height="75px" id="virus6"/>

</p>

</p>

</div>



**Code Javascript,HTML:**

<body onpageshow="randomVirus()" onload="showFlower()">  
 <title>GirlCode Hackathon ENtry 2020</title>  
 <script type="text/javascript" src="MiniGame.js"></script>  
 <script type="text/javascript" src="Growth.js"></script>  
 <div class = "miniGame" style="padding-left:16px"> <h1>The Evil Little Corona Virus </h1>  
 <h5>The Evil Little Corona Virus is trying to grow! It's up to you to choose the right actions to stop him from growing into a Big Scary Virus. </h5>   
 <canvas id="can1"> </canvas>   
 <p id="acti">  
 <input type="image" id="aa" src="images/FaceMask.jpg" width="100px" height="75px" onclick="DoSomethingGood();"/>  
 <input type="image" id="bb" src="images/Hugs.jpg" width="100px" height="75px" onclick="DoSomethingBad();"/>  
 <input type="image" id="cc" src="images/WasHands.jpg" width="100px" height="75px" onclick="DoSomethingGood();" /><br>  
 <input type="image" src="images/TouchingPublicRailing.jpg" width="100px" height="75px" onclick="DoSomethingBad();" />  
 <input type="image" src="images/SocialDistancing.jpg" width="100px" height="75px" onclick="DoSomethingGood();" />  
 <input type="image" src="images/ShakingHands.jpg" width="100px" height="75px" onclick="DoSomethingBad();" /><br>   
 <input type="image" src="images/Sanitizing.jpg" width="100px" height="75px" onclick="DoSomethingGood();" />  
 <input type="image" src="images/Waving.jpg" width="100px" height="75px" onclick="DoSomethingGood();" />  
 <input type="image" src="images/LickTheFloor.jpg" width="100px" height="75px" onclick="DoSomethingBad();" />   
 </p>  
 <p id="noDisplay">  
 <img src="images/CoronaVirus0.jpg" alt="Evil Corona Virus" width="100px" height="75px" id="virus0"/>  
 <img src="images/CoronaVirus1.jpg" alt="Evil Corona Virus" width="100px" height="75px" id="virus1"/>  
 <img src="images/CoronaVirus2.jpg" alt="Evil Corona Virus" width="100px" height="75px" id="virus2"/>  
 <img src="images/CoronaVirus3.jpg" alt="Evil Corona Virus" width="100px" height="75px" id="virus3"/>  
 <img src="images/CoronaVirus4.jpg" alt="Evil Corona Virus" width="100px" height="75px" id="virus4"/>  
 <img src="images/CoronaVirus5.jpg" alt="Evil Corona Virus" width="100px" height="75px" id="virus5"/>  
 <img src="images/CoronaVirus6.jpg" alt="Evil Corona Virus" width="100px" height="75px" id="virus6"/>  
 </p>   
 </div>  
</head><p></p>  
<div style="padding-left:16px; padding-bottom: 16px;">   
 <h1>Farming Challenge</h1>  
 <h4>Objective: What's wrong with the plant? Choose the correct step to save the plant   
 <h5>Teaches plant and crop care</h5>  
 <p></p>  
 <canvas id="mainCan"> </canvas>   
 <canvas id="issueCan"> </canvas> <br>  
 <input type="button" value="Water plant" onclick="water()">  
 <input type="button" value="It's healthy" onclick="healthy()">  
 <input type="button" value="Only water again once soil is drier" onclick="dry()">  
 <input type="button" value="Use a safe pesticide" onclick="pest()">  
 <input type="button" value="Move plant to sunnier spot" onclick="sun()">  
 <input type="button" value="Apply iron rich fertiliser" onclick="iron()">  
 <input type="button" value="Apply nitrogen rich fertiliser" onclick="nitrogen()">  
 <input type="button" value="Apply potassium rich fertiliser" onclick="potassium()"> <img src="images/HealthyLeaf.jpg" width="100px" height="75px" id="healthyLeaf"/>  
 <img src="images/Dehydration.jpg" width="100px" height="75px" id="dehydration"/>  
 <img src="images/IronDef.jpg" width="100px" height="75px" id="ironDef"/>  
 <img src="images/LackSun.jpg" width="100px" height="75px" id="lackSun"/>  
 <img src="images/NitrogenDef.jpg" width="100px" height="75px" id="nitrogenDef"/>  
 <img src="images/OverWater.jpg" width="100px" height="75px" id="overWater"/>  
 <img src="images/PestProblem.jpg" width="100px" height="75px" id="pestProblem"/>  
 <img src="images/PotassiumDef.jpg" width="100px" height="75px" id="potassiumDef"/>  
 <img src="images/Flower.jpg" width="100px" id="flower"/>  
 <img src="images/FlowerDead.jpg" width="100px" id="flowerDead"/>

</div>

**Javascript:**

var controlElement = 3;  
function DoSomethingGood(){  
 console.log("I'm fun");  
 var canvas= document.getElementById("can1");  
 var ctx = canvas.getContext("2d");  
 if (controlElement == 2) {  
 var img = document.getElementById("virus1");  
 controlElement = 1;  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else if (controlElement == 3) {  
 var img = document.getElementById("virus2");  
 controlElement = 2;  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else if (controlElement == 4) {  
 var img = document.getElementById("virus3");  
 controlElement = 3;  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else if (controlElement == 5) {  
 var img = document.getElementById("virus4");  
 controlElement = 4;  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else if (controlElement == 6) {  
 var img = document.getElementById("virus5");  
 controlElement = 5;  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else if (controlElement == 1) {  
 var img = document.getElementById("virus0");  
 controlElement = 0;  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else if (controlElement == 0) {  
 var img = document.getElementById("virus0");  
 alert("You win! The evil Corona Virus has been stopped");  
 randomVirus();  
 }   
}  
function DoSomethingBad(){  
 console.log("I'm naughty");  
 var canvas= document.getElementById("can1");  
 var ctx = canvas.getContext("2d");  
 if (controlElement == 0) {  
 var img = document.getElementById("virus1");  
 controlElement = 1;  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else if (controlElement == 1) {  
 var img = document.getElementById("virus2");  
 controlElement = 2;  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else if (controlElement == 2) {  
 var img = document.getElementById("virus3");  
 controlElement = 3;  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else if (controlElement == 3) {  
 var img = document.getElementById("virus4");  
 controlElement = 4;  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else if (controlElement == 4) {  
 var img = document.getElementById("virus5");  
 controlElement = 5;  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else if (controlElement == 5) {  
 var img = document.getElementById("virus6");  
 controlElement = 6;  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else if (controlElement == 6) {  
 var img = document.getElementById("virus6");  
 alert("The evil Corona virus has defeated you!");  
 randomVirus();  
 }   
}  
function randomVirus() {  
 console.log("Random Virus");  
 var canvas= document.getElementById("can1");  
 var ctx = canvas.getContext("2d");  
 controlElement = Math.floor(Math.random() \* 7);  
 console.log(controlElement);  
 if (controlElement == 0) {  
 var img = document.getElementById("virus0");  
 }  
 else if (controlElement == 1) {  
 var img = document.getElementById("virus1");  
 }  
 else if (controlElement == 2) {  
 var img = document.getElementById("virus2");  
 }  
 else if (controlElement == 3) {  
 var img = document.getElementById("virus3");  
 }  
 else if (controlElement == 4) {  
 var img = document.getElementById("virus4");  
 }  
 else if (controlElement == 5) {  
 var img = document.getElementById("virus5");  
 }  
 else if (controlElement == 6) {  
 var img = document.getElementById("virus6");  
 }  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);

var controlElement = 3;  
function showFlower() {  
 console.log("Hi");  
 var canvas= document.getElementById("mainCan");  
 var ctx = canvas.getContext("2d");  
 var img = document.getElementById("flower");  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 var canvas= document.getElementById("issueCan");  
 var ctx = canvas.getContext("2d");  
 controlElement = Math.floor(Math.random() \* 8);  
 console.log(controlElement);  
 if (controlElement == 0) {  
 var img = document.getElementById("healthyLeaf");  
 console.log("Hi healthy");  
 }  
 else if (controlElement == 1) {  
 var img = document.getElementById("dehydration");  
 }  
 else if (controlElement == 2) {  
 var img = document.getElementById("ironDef");  
 }  
 else if (controlElement == 3) {  
 var img = document.getElementById("lackSun");  
 }  
 else if (controlElement == 4) {  
 var img = document.getElementById("nitrogenDef");  
 }  
 else if (controlElement == 5) {  
 var img = document.getElementById("overWater");  
 }  
 else if (controlElement == 6) {  
 var img = document.getElementById("pestProblem");  
 }  
 else if (controlElement == 7) {  
 var img = document.getElementById("potassiumDef");  
 }  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
}  
function water() {  
 if (controlElement == 1){  
 alert("Yay! You saved the plant");  
 var canvas= document.getElementById("issueCan");  
 var ctx = canvas.getContext("2d");  
 var img = document.getElementById("healthyLeaf");  
 console.log("Hi healthy");  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else {  
 alert("Sorry! Try again");  
 var canvas= document.getElementById("mainCan");  
 var ctx = canvas.getContext("2d");  
 var img = document.getElementById("flowerDead");  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }  
}  
function healthy() {  
 if (controlElement == 0){  
 alert("Yay! The plant is happy");  
 var canvas= document.getElementById("issueCan");  
 var ctx = canvas.getContext("2d");  
 var img = document.getElementById("healthyLeaf");  
 console.log("Hi healthy");  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else {  
 alert("Sorry! Try again");  
 var canvas= document.getElementById("mainCan");  
 var ctx = canvas.getContext("2d");  
 var img = document.getElementById("flowerDead");  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height); }  
}  
function dry() {  
 if (controlElement == 5){  
 alert("Yay! You saved the plant");  
 var canvas= document.getElementById("issueCan");  
 var ctx = canvas.getContext("2d");  
 var img = document.getElementById("healthyLeaf");  
 console.log("Hi healthy");  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else {  
 alert("Sorry! Try again");  
 var canvas= document.getElementById("mainCan");  
 var ctx = canvas.getContext("2d");  
 var img = document.getElementById("flowerDead");  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height); }  
}  
function pest() {  
 if (controlElement == 6){  
 alert("Yay! You saved the plant");  
 var canvas= document.getElementById("issueCan");  
 var ctx = canvas.getContext("2d");  
 var img = document.getElementById("healthyLeaf");  
 console.log("Hi healthy");  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else {  
 alert("Sorry! Try again");  
 var canvas= document.getElementById("mainCan");  
 var ctx = canvas.getContext("2d");  
 var img = document.getElementById("flowerDead");  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height); }  
}  
function sun() {  
 if (controlElement == 3){  
 alert("Yay! You saved the plant");  
 var canvas= document.getElementById("issueCan");  
 var ctx = canvas.getContext("2d");  
 var img = document.getElementById("healthyLeaf");  
 console.log("Hi healthy");  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else {  
 alert("Sorry! Try again");  
 var canvas= document.getElementById("mainCan");  
 var ctx = canvas.getContext("2d");  
 var img = document.getElementById("flowerDead");  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height); }  
}  
function iron() {  
 if (controlElement == 2){  
 alert("Yay! You saved the plant");  
 var canvas= document.getElementById("issueCan");  
 var ctx = canvas.getContext("2d");  
 var img = document.getElementById("healthyLeaf");  
 console.log("Hi healthy");  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else {  
 alert("Sorry! Try again");  
 var canvas= document.getElementById("mainCan");  
 var ctx = canvas.getContext("2d");  
 var img = document.getElementById("flowerDead");  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height); }  
}  
function nitrogen() {  
 if (controlElement == 4){  
 alert("Yay! You saved the plant");  
 var canvas= document.getElementById("issueCan");  
 var ctx = canvas.getContext("2d");  
 var img = document.getElementById("healthyLeaf");  
 console.log("Hi healthy");  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else {  
 alert("Sorry! Try again");  
 var canvas= document.getElementById("mainCan");  
 var ctx = canvas.getContext("2d");  
 var img = document.getElementById("flowerDead");  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height); }  
}  
function potassium() {  
 if (controlElement == 7){  
 alert("Yay! You saved the plant");  
 var canvas= document.getElementById("issueCan");  
 var ctx = canvas.getContext("2d");  
 var img = document.getElementById("healthyLeaf");  
 console.log("Hi healthy");  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height);  
 }   
 else {  
 alert("Sorry! Try again");  
 var canvas= document.getElementById("mainCan");  
 var ctx = canvas.getContext("2d");  
 var img = document.getElementById("flowerDead");  
 ctx.drawImage(img, 0, 0, canvas.width, canvas.height); }  
}

}