

HEALTH INFORMATICS FINAL PRESENTATION

RESOURCES FOR LUNG CANCER

Liz Grauel
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PROJECT OVERVIEW

- **Main Deliverable:** Content Management System (CMS) designed as a health informatics resource
- **Target Population:** Lung cancer patients and their caregivers
- **Key HI Content:** Digital health resources, relevant federal health policies, and applicable health IT



PROJECT BACKGROUND

Project & Creator Background

- CMS site designed in fulfillment of coursework for LIS-794 at Dominican University
- Created by Liz Grauel, software industry professional and MLIS student

Motivation

- Creator's personal experience as a caregiver for her mother, who died from lung cancer in 2016



Liz Grauel (right) and her mother, Mary, in 2015



DELIVERABLE OVERVIEW

Content Management System

- Built using Google Sites
- Content organized into 5 pages
- Focus on intuitive navigation and consumable information

CMS Pages

- Home Page
- Health Resources Page
- Health Policies Page
- Health IT Page
- About the Creator Page

Access the site here: <https://sites.google.com/view/hi-resources-lung-cancer>



TARGET POPULATION

Lung Cancer Patients & Caregivers

- Lung cancer represents 13% of all cancer diagnoses and is the most common cancer worldwide
- Leading cause of cancer death in the US
- Research and treatment has been historically underfunded by the federal government
- Caused by smoking, environmental exposure to radon and air pollution, and workplace hazards



TARGET POPULATION

Health Risks for Population

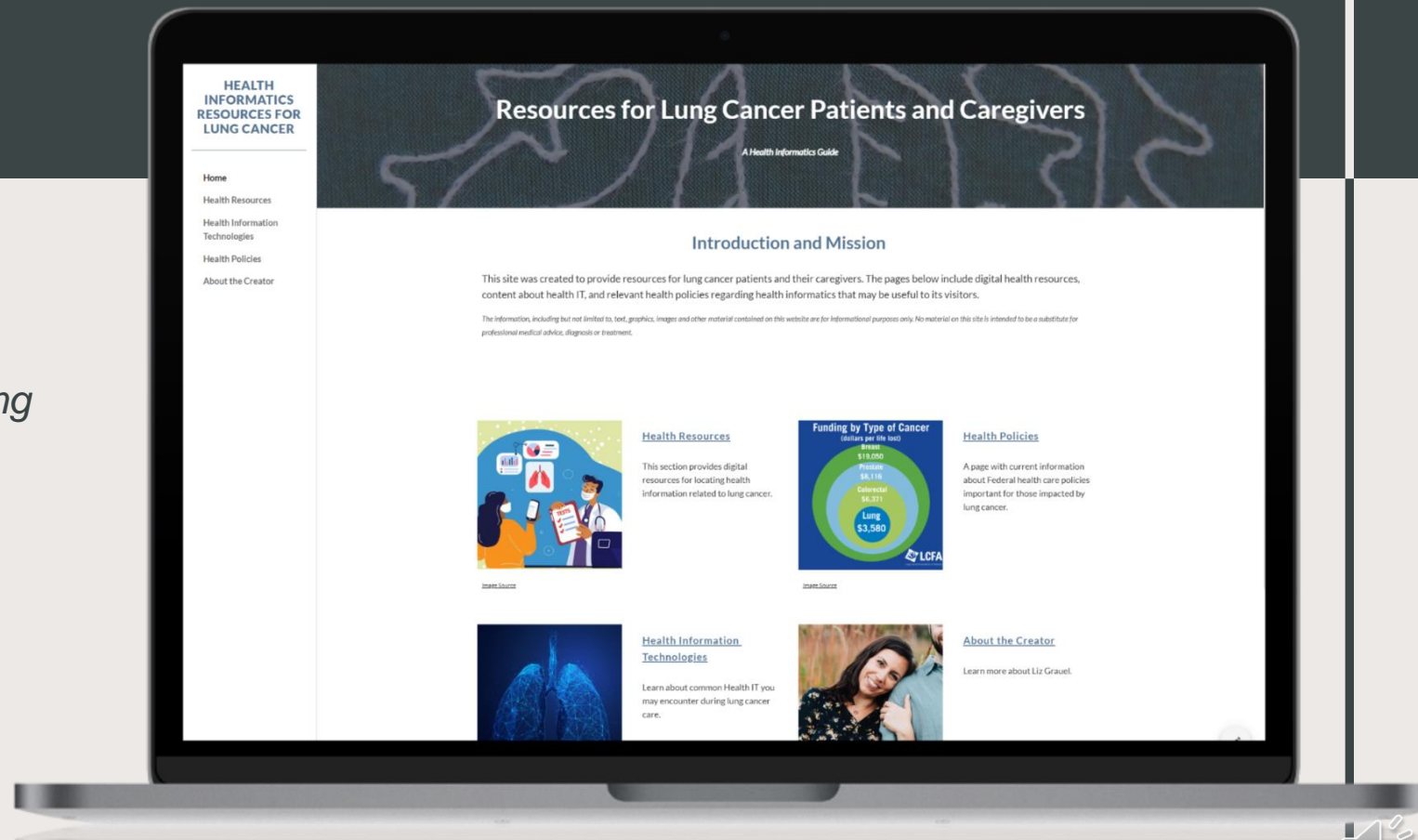
- Metastasis of cancer to other parts of the body;
- Pain;
- Fluid in chest and shortness of breath;
- Anxiety and depression;
- Side effects from radiation and drug treatment;
- Nutritional issues and weight loss.



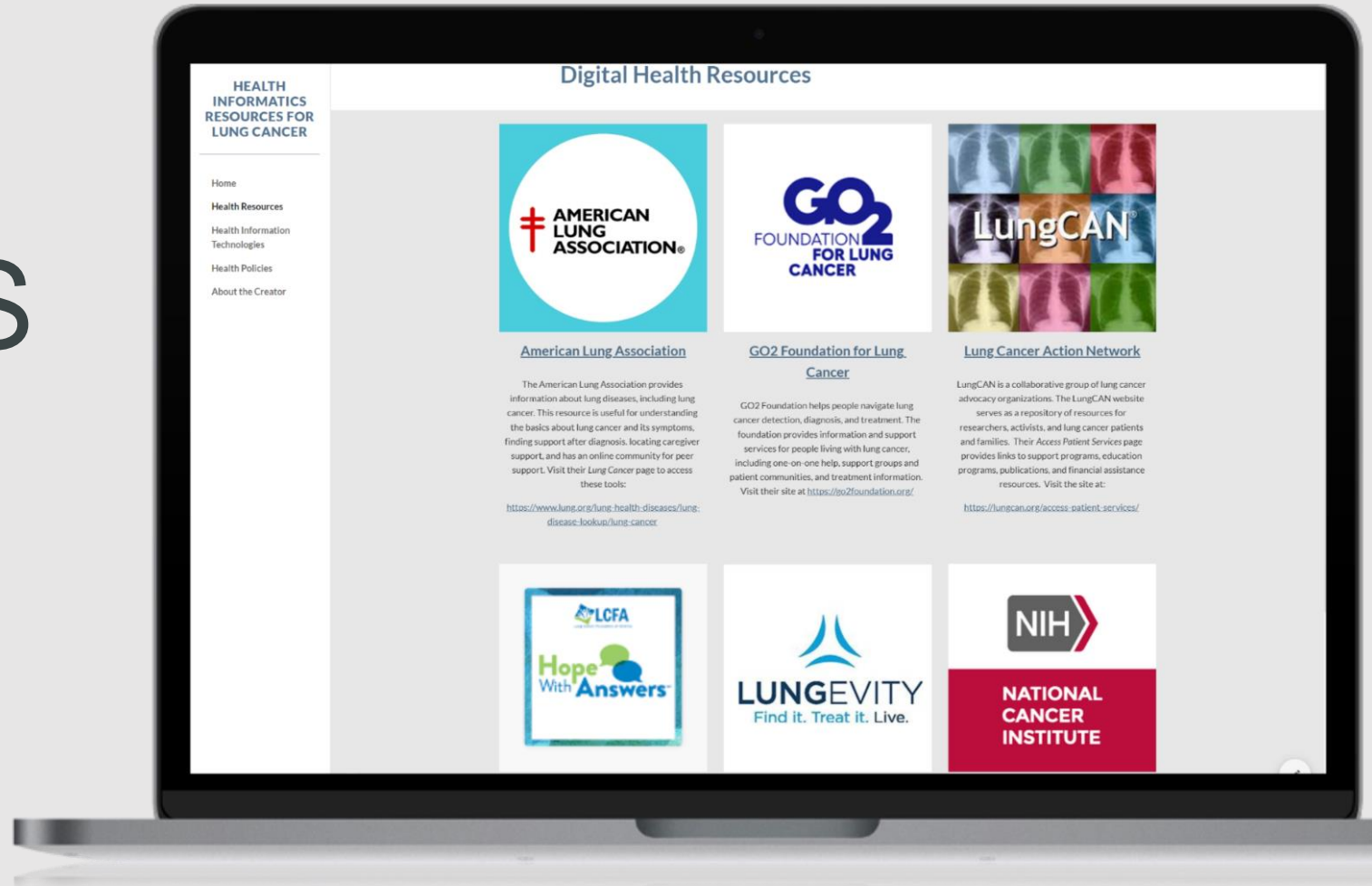
CMS DESCRIPTION

Site Overview

- Named *Health Informatics Resources for Lung Cancer*
- Repository of appropriate resources for lung cancer patients and their families
- Designed for ease of navigation and information discovery



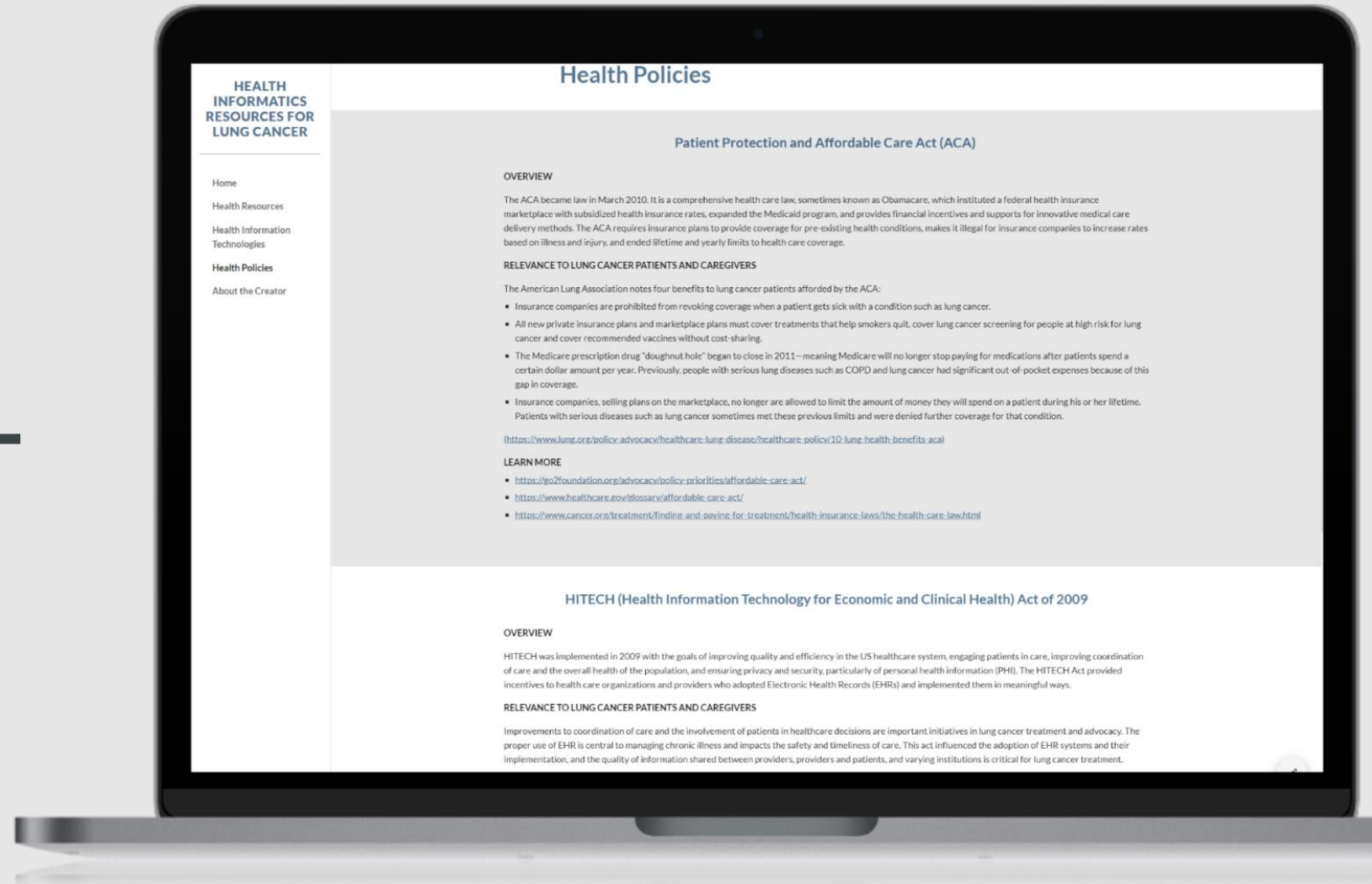
HEALTH RESOURCES



- American Lung Association
- GO2 Foundation for Lung Cancer
- Lung Cancer Action Network
- Lung Cancer Foundation of America
- LUNGEvity
- National Cancer Institute



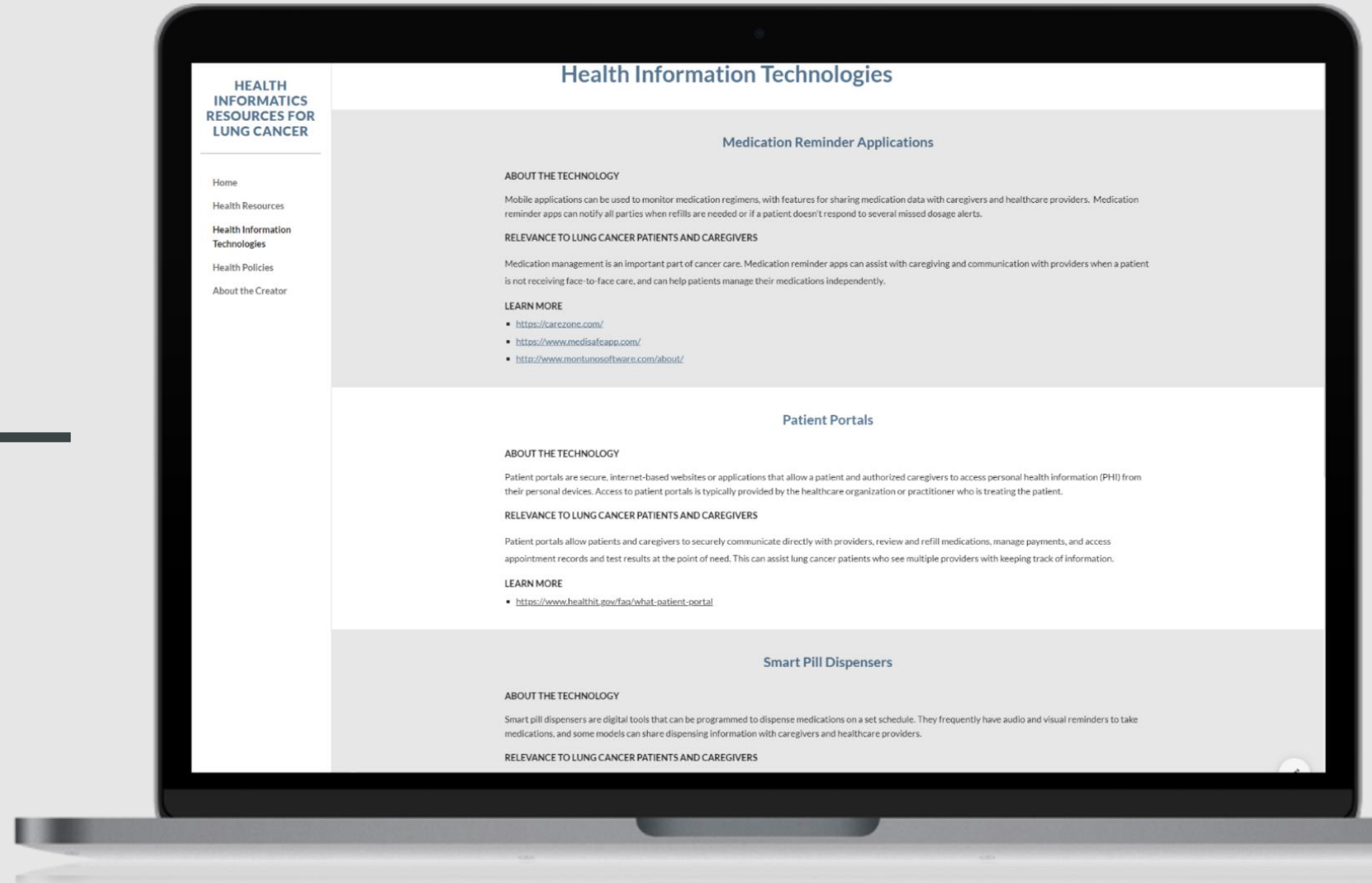
HEALTH POLICIES



- Affordable Care Act
- HITECH
- Lung Cancer Screening Registry and Quality Improvement Act of 2021



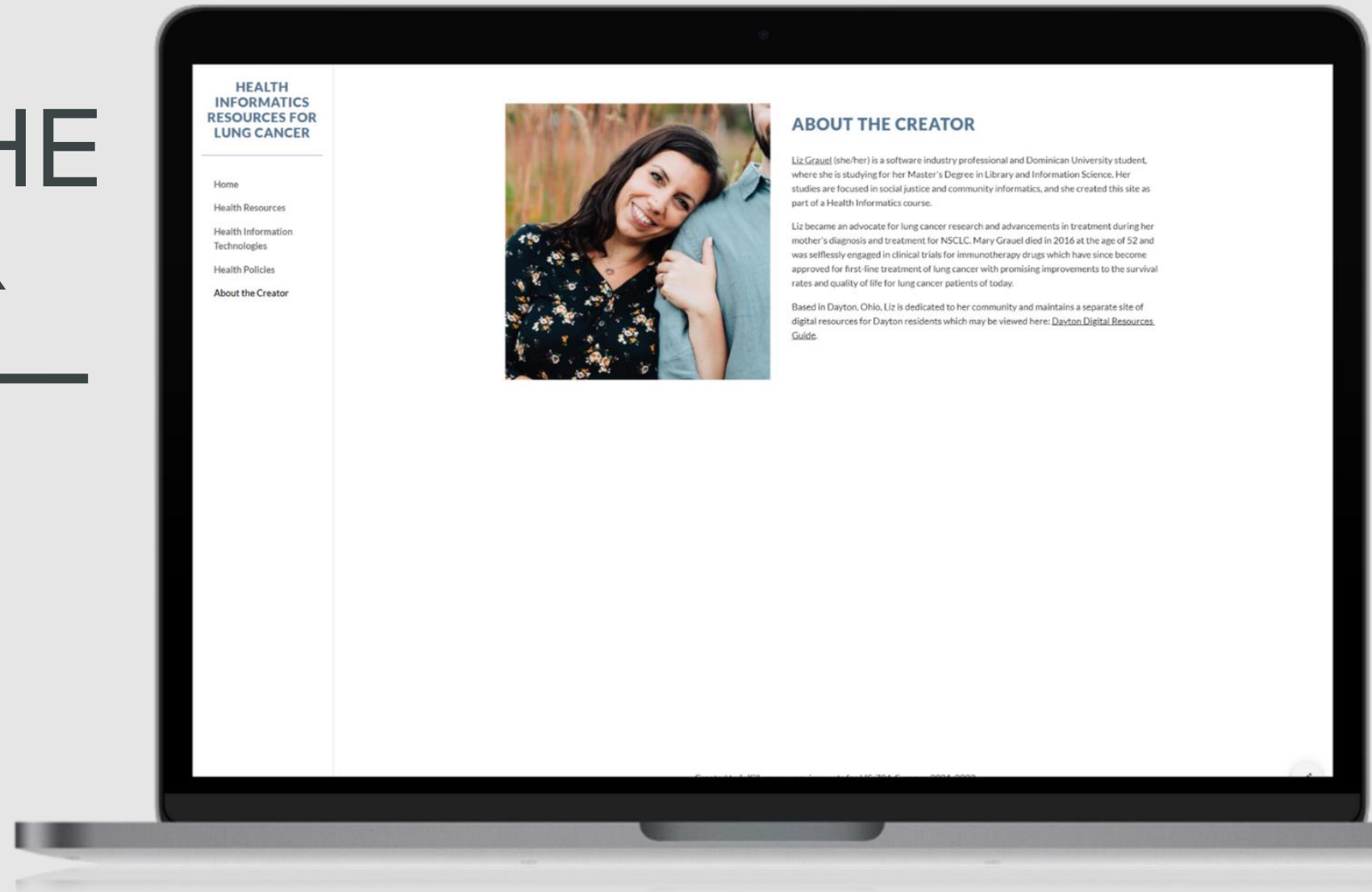
HEALTH IT



- Medication Reminder Applications
- Patient Portals
- Smart Pill Dispensers
- Telehealth/Telemedicine



ABOUT THE CREATOR



CLOSING REMARKS

Key Takeaways

- Importance of user experience
- Content management and organization
- Interdisciplinary approach



THANK YOU

Liz Grauel

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