Base Class: Plants - name: string - fruitType: string + virtual string getName(string) const; + string getPlantType(string) const; + void setName(string); + void setPlantType(string); SubClass: Gymnosperms SubClass: Angiosperms - family: string family: string - seed: string - seed: string - sepals: int - sepals: int - petals: int - petals: int + string getFamily(string) const; + string getFamily(string) const; + string getSeed(string) const; + string getSeed(string) const; + int getSepals(int) const; + int getSepals(int) const; + int getPetals(int) const; + int getPetals(int) const; + void setFamily(string); + void setFamily(string); + void setSeed(int); + void setSeed(int); + void setSepals(int); + void setSepals(int); + void setPetals(int); + void setPetals(int)); CompositeClass: Family SubClass: Genus - genus: string - fruit: bool - species: string - cotyledon: int - avgWeight: double - dichogamy: string - origin: string - origin: string + string getName(string) const; + bool getFruit(bool) const; + int getCotyledon(int) const; + string getGenus(string) const; + string getSpecies(string) const; + string getDichogamy(string) const; + double getAvgWeight(double) const; + string getOrigin(string) const; + void setFruit(bool); + string getOrigin(string) const; + void setCotyledon(int); + void setGenus(string); + void setSpecies(string); + void setDichogamy(string); + void setAvgWeight(double); + void setOrigin(string); + void setOrigin(string);